

Edwin A. Hernandez-Mondragon, PhD

Curriculum Vitae

Technology Leader and Innovator

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Introduction

Dr. Edwin Hernandez is a serial entrepreneur, inventor, technology leader, and founder of “**EGLA CORP.**” EGLA is a tech powerhouse that create its own technology and where other innovators come to create ventures at the “**EGLAVATOR.**” The EGLAVATOR is Dr. Hernandez’ technology incubator and accelerator located in Boca Raton, FL. The EGLAVATOR assists and invests in several technology startups including funding advise, go to market strategies, intellectual property, and execution. As a technology leader, Dr. Hernandez works with teams of engineers and business since its days at Motorola and Microsoft. As part of his intellectual property expertise, Dr. Hernandez and his team has **reached agreements** for his wireless portfolio with *Motorola, Google, Apple, T-Mobile, Verizon Wireless, DISH Wireless, Samsung, Nokia, Ericsson, Micrososft, Comcast, and other high-tech giants.* Dr. Hernandez is an expert in technology and venture funding with many years of experience in wireless communications, AI, cloud computing, IOT, electronic devices, and other advanced software platforms. He is a hands-on coder and creates prototypes for many of the products created at his incubator, hence is quite familiar with code reviews, hardware, and software audits. Dr. Hernandez earned a B.S. in Electronics engineering from Costa Rica Institute of Technology, and a M.S in ECE and PhD in Computer Engineering from the University of Florida. Dr. Edwin is an inventor to **17 issued US Patents, 5 European Patents**, and has provided technical expert witness services in over **50+ intellectual property cases** including 15+ IPRs, and four testimonies at trial, Daubert hearings, and numerous depositions. As part of his daily life, Dr. Hernandez works on its own projects and provides technical and startup strategy advice to several high-tech startups in the areas of AI and Machine Learning, Media Streaming, Blockchain, AR/VR, 3D Printing, 3D UIs, and Health Technologies. Dr. Hernandez was a **Fulbright scholar** and has been a judge for the “*Mobile World Congress*” several times. Dr. Hernandez is also a *Microsoft* and *Motorola* alumni, a member of the Industry Advisory Board (IAB) at Florida Atlantic University, and a producer of his own podcast, TECHEDTV. Recently, in Denver's federal court, I testified for Blue Radios at trial for a **\$24.8M award** (Source: [Nasdaq](#)), was part of the Mojo Mobility legal team on wireless charging patents for a **\$192M award** (Source: [Reuters](#)) at trial, was part of the TOT Power control team on TPC patents for a **\$110M award** (Source. [Reuters](#)). Testifying for Intellectual Ventures against LG in a multi-million dollar licensing dispute.

Technical Leadership

- As a legal expert and leader in intellectual property. Dr. Hernandez has helped his clients include multi-million dollar licensing and settlements, including Mojo Mobility over \$190M, Blue Radios over \$20M, and many others with over \$300M licenses and settlements. As an expert, Dr. Hernandez has been invited to panels covering legal matters in cybersecurity, Artificial intelligence in several podcasts and webinars.,
- As a startup and tech leader, Dr. Hernandez funded and managed a technology Accelerator and incubator in Boca Raton FL, called EGLAVATOR. The EGLAVATOR was recognized as one of the tech hubs in South Florida and hosted events and over 80 startups from 2017 to 2023. Including, alumni as Points Kash with a multi-million dollar valuation and funding, or Guiltless with an appearance at “Elevator Pitch” TV Show.
- In 2024 Global Innovation Award nominations for his patents and technology accelerator, and other awards in Florida, from blockchain to augmented reality
- Dr. Hernandez has been recognized as the Inventor of Modern Wireless Handoff, a technology used by the entire 4G and 5G industries, in most mobile phones, connected cars, and other devices with licenses with Verizon Wireless, Cisco, DISH, Phone Carriers, Device Manufacturers, and others
- Judge for the Mobile World Congress in Barcelona twice 2019 to 2020
- As leader in Streaming technologies, Dr. Hernandez’ and EGLA’s “Streaming Portfolio” is cited by several Cloud TV and streaming magazines for his multimedia streaming platforms that was instrumental in a \$16M acquisition in 2014
- Education leadership as a Founder of HONDURAS GLOBAL, an organization helping STEM and other professional students with seminars in Honduras, and industry advisor to Florida Atlantic University, EECS School’s.
- Dr. Hernandez also produces TECHEDTV a technology news channel and podcast in Spanish and English

Areas of Expertise

- **Technology Innovation and Startups:** Strategy, Innovation, Business Ventures, bringing new ideas to practice, investments, licensing with digital growth in high-tech environments.
- **Cable TV Systems and Broadcasting:** Streaming systems, Encoding, Transcoding, OTT Platforms and Systems, React Video Apps, Mobile Streaming, ATSC 3.0, Cable TV Multicasting, DVB-C, DVB-T, and DVB-S, “Cloud to Cable TV,” Set Top Boxes, MPEG Encoding, OTA Broadcasting, Casting, DOCSIS
- **Multimedia Streaming:** OTT Platforms, TV distribution, Music & Video Platforms and automated playlist creation, real-time encoding, CDN, and cloud storage systems
- **Mobile Devices and Systems:** Applications iOS & Android, User Interfaces in mobile, mobile operating systems, Expert in mobility and wireless roaming 2G, 3G, 4G & 5G systems (3GPP specifications Technical Specifications)
- **AirInterface, LTE, 5G NR:** LTE 3GPP Specifications, Standard Essential Patents, Experience with SDRs, Open Air Interface project, reviewing code for handover, RRC Channels, KPI, and handoff parameters (X2 S1AP and XN), Test Equipment, Drive Test, and 3GPP Specifications from Release 8 to 16
- **Wearable Technologies:** Bluetooth, Low power, Board Support Packages (BSP), low-profile interfaces
- **Cloud Storage and Data Synchronization:** Gluster FS, File Systems, Dropbox/S3 integration. Cloud computing, Load balancing, AWS.
- **Wireless Communications:** 5G, 4G, 3G, LTE signaling, OFDM, Beamforming, WLAN, Software-defined Networks, and RF emulation with a patent in wireless emulation/dissertation on this field.
- **Artificial Intelligence and Machine Learning:** Large Language Models, Agentic AI, Ollama, Computer vision, machine learning, Fuzzy Logic, Python, Neural networks, signal processing, speech processing, use of applications for big data. Very interested in LSTM Networks, Attention Matrices, ML, statistical learning, NLP, GPT algorithms, Reinforced Learning, and other ML/AI techniques.

- **Blockchain Technologies:** Bitcoin, Litecoin, Consensus Algorithms, Gossip Protocols, ERC-20, DeFi, NFTs, Decentralized Financing Tools and Applications,
- **Power Management:** Wireless Power Management Issued Patent for Microsoft Wireless Service and another Wireless Charging Patent owned by Motorola/Google with over 130+ references.
- **Personal Area Networking:** Expertise in Personal Area Networks and Wearable Systems. Issued Patent for Windows PAN Driver.
- **Smart phones and wireless embedded software development:** Personal Area Networking, Virtual Machines and Operating Systems, Bluetooth

Academic Background

Ph.D., **University of Florida**, Gainesville, FL

Major: Computer Engineering,

Research Areas: Mobile Computing, Wireless Networks, Handoff Optimization, and Adaptable Network Protocols, Linear Prediction, Network Emulation

Dissertation: An Adaptive Networking Protocol for Rapid Mobility Environments

Advisor: Dr. Sumi Helal, August 2002

M.Sc., **University of Florida**, Gainesville, FL

Major: Electrical and Computer Engineering

Research Areas: Computer Networks and Intelligent and Information Systems (Artificial Intelligence). Thesis: Adaptive Sampling for Network Management

Advisor: Dr. Alan D. George, December 1999

B.Sc. **Costa Rica Institute of Technology**, Costa Rica

Major: Electronics Engineering

Thesis: Monitoring system for a packet-based data network, RACSAPAQ

Advisor: Dipl-Ing. Luis P. Mendez, July 1995

Industry Experience

EGLA CORP & EGLA COMMUNICATIONS, Owner & Founder (10/10 – Present)

Technology Innovation and Intellectual Property Consulting. Creator of Technology Innovative Products such as: MEVIA. MEVIA Operating System, Demolizer AR, and others with 7 issued patents in the US and one European Patent. Expert Witness Services for legal cases both technical and damages testimony. EGLA provides strategic advice to startups & other innovators with technology products with over 35+ years of experience engineering applications and Infrastructure including: Large Language Models, Machine Learning, Cloud-based Platforms, Telecommunication Systems, Blockchain, Network Function Virtualization, Handover for 4G & 5G Systems, Software-defined Radios, IPTV, mobile, including managing and creating applications for IOS, Android, IPTV, Amazon Web Services, Wireless & Mobile Computing, Cloud Computing, 3D Printing, IC Design, Device Testing. (Source: eglacorp.com)

- **Expertise in Royalties and Advise for Intellectual Property Licensing.** Mergers and Acquisitions (M&A) strategic acquisitions and IP strategies with technology companies, Infringement reports, Invalidity Contentions, IPR Reports for PTAB, Damages calculations, Forensics, Code Reviews, Clean Room Analysis, assisting trials and attorneys with all Intellectual Property matters, Membership at **Licensing Executives Society (LES International) Member from 2018 to 2021**, Expertise in licensing intellectual property rights and monetization of patents and software.
- **Inventor and Technology Leader for MEVIA OS and MEVIA.** Patented platforms for streaming, casting, Smart TV systems. Multimedia distribution of music and video MEVIA & Cloud to Cable are servicing operators like CABLE COLOR in Honduras. **MEVIA Music** currently in operation in several countries including Honduras, and United States (previously in Brazil). . EGLA supplied and maintained REST/SOAP/JSON APIs to handle more than 500K subscribers with SKY TUNES application for SKY Brasil. Our technologies powered DMX Media before its **\$16M** acquisition by Stingray Digital in 2015 www.eglacomm.net

EGLAVATOR, Startup Expert, Incubation & Acceleration, Boca Raton, FL. (3/2017 – Present)

Founder and owner for 7 years of a Boca Raton-based technology incubator and accelerator with many startups in the areas business planning and technology strategies for startups in Cloud, Blockchain, AI, MCP, SaaS, 4G, 5G Systems, Prototyping and development of mechanical, electrical, and software products (www.eglavator.com). 3D Design & Assisting Startups such as:

- **PointsKash, LLC** – Points rewards to Blockchain with Algorand as a coin, one of 1st investors
- **Guident** – Hosted at EGLAVATOR and provided advise,
- **SEO TurboBooster and Pre-Dating** – Assisting strategy – partnerships
- **Conductions Labs, Inc** – Bluetooth and Directed audio Business development and strategy
- **MEVIA Operating Systems & Mevia Studios, Inc** : Streaming platform and web widget technology, NFT Museum and Gallery.
- **CBS Biomedical** in Partnership with EGLA CORP – engineering and development of a new version of a DEMOLIZER in 2018 – 2019 (Shareholder of CBS Biomedical, Inc)
- **HydraFlush, Inc**, redesign of mechanical transmission and parts for double-sided toothbrush in 2018
- **Bridge 2 Universe Labs**, NFTs and Blockchain, creation generation of NFTs, Marketing of NFTs,
- **Guiltless To Go**, ordering Platform for healthy food, Foodverse NFT for Memberships
- **EGLA NFT Platform** – Memberships, Loyalties, and **AI-created NFTs with Machine Learning**
- **SAFEFI** – Safety-based with GPS location and tracking using a Bluetooth button and SAFEFI Zones (Patented Technology, licensed to EGLA CORP, Investor to STADSON Inc 2015-2017)
- Assisted **Cirrus Core Networks** with their NFV system and implementation of an LTE network with CBRS in 2016
- Several other ventures in e-Commerce, Education, and blockchain technologies.

Media Expertise with MEVIA STUDIOS & TECHEDTV – Host & Broadcasting, Boca Raton, FL (3/2018 to Present).

TECHEDTV Podcast episodes are on Spotify, Amazon Music, Apple Podcast, and other sites. Using MEVIA Podcast software produce Live TV shows. Past experience includes: ASK ALICE, TECHEDTV, and others with dozens of shows & podcasts, covering Mobile World Congress 2019 & 2020, HIMMS 2019, “Consumer Electronics Show – CES,” on Youtube, Tiktok, Instagram, under [techedtv and techedtv](#).

MOBILITY WORKX, LLC. Principal and co-founder, Boca Raton, FL (7/2016 to present)

Patent commercialization for MobileCAD (Patent 7,231,330) a mobile emulation environment for **3G, UMTS, 4G LTE, & 5G** networks, mobility, PCRF, Diameter routing, RRC Signaling, propagation models simulation, virtual drive testing and RF scenarios and Mobile IPP (US Patent 7,697,508 and US Patent 8,213,417) for seamless mobility LTE, Self-Organizing Networks, S1 Handover, X2 handover, Xn Handover, etc. **Licensed Portfolio by Verizon Wireless, Cisco Systems, DISH Wireless, Samsung, Nokia, and other large mobile players**

- Handover patents for X2, S1 in LTE Rel9-14 and XN and N2 Handover for 5GNR Rel15-ongoing standards
- Network and Wireless Emulation for LTE and 5G NR, and other IP-based RF environments.

Motorola Inc, Principal Staff Software Engineer, Mobile Devices, Plantation, FL (11/2007-5/2010)

Tech Lead with teams in China, Russia, and United States. Google Android Platform/Application Development, Kernel-level prototyping, Data support, implemented HTTP Push/MMS, DRM content management, Webkit and Opera- based browsers, Lead discussions with customer Sprint/Nextel and Nextel International. I defined Android architecture and the concept of iDEN+5, which seeded Android in Plantation. Assisted in licensing negotiations for Motorola as part of the licensing team.

Motorola, Inc Sr. Software Staff Engineer, Mobile Devices, Plantation, FL (11/2003 -10/2007)

Feature lead for Java Virtual Machine for Dual-mode devices, J2ME Expert, JSR implementation on BREW architectures, and iDEN/CDMA software interactions. As a feature lead, program management interactions, customer interactions, and 3rd party vendor relationships including licensing (i.e. Qualcomm). Platform design and development for Windows CE devices and Microsoft Smartphone Platforms, i930 mobile phone.

Microsoft, Technical Program Manager, *Windows Networking*, Redmond, WA (8/2002 - 9/2003)

Feature lead for Bluetooth Personal Area Networking. Responsibilities driving Architecture, Design, Test Automation, security analysis for PAN, and drive testing over networking protocols such as IPv4 and IPv6 networks.

Microsoft, Program Manager Intern, *Windows Networking*, Redmond, WA (5/2001-8/2001)

Wireless Zero-Configuration (WZC) for Windows XP Service Pack, Power Management algorithm using self-similar traffic modeling, and adaptive adjustment of the duty cycle. IEEE 802.11b/g/a services could be optimized to reduce power consumption from 0 to 80% depending upon network traffic characterization.

COMPUNET, Entrepreneur/Lead Engineer, Honduras (4/1997-11/2009)

Owner and founder of one of the first ISPs in Honduras. Cisco/Linux administrator, Webmaster and senior system engineer and owner. Lead developer for: authentication services, security, web, and networking configuration.

Leadership Positions, Honors and Awards

- Coverage as inventor of Mobile Handoff by [IAM MEDIA](#), leading publication on intellectual property
- South Florida Tech Nomination – EGLAVATOR 2023 and “Innovation Award” in July 2024
- Global Business Awards for EGLA CORP – Rhode Island – November 2023
- Presented projects at MIAMI NFT Week 2022 and 20203,
- Presented projects at TECH PALOOZA, CRYPTO CONNECT, and other conferences in South Florida.
- EGLA CORP has been named as TOP 100 startups in South Florida
- Mentor for the FAU Business Plan Competition, 2021 – My team was finalist at FAU TechRunway, Assisted Computer Vision for Elderly, 2021.
- Judge for the **Mobile World Congress** in Barcelona, Spain, 2019
- Judge for the **Mobile World Congress** for Best Networking Software Breakthrough in Barcelona, Spain, 2020.
- Judge for Startup POP, Startups in Boca Raton, FL.
- Founding member of **Honduras Global** dedicated to Entrepreneurship, Science & Technology
- **Fulbright-Scholar:** 1997-1999 – US State Department Program.
- 2018 Innovation Awards, City of Coral Springs, FL
- Nov 2018 - 3rd Place Hackathon with “*Eye of the Storm*” at Office Depot, Boca Raton, FL
- Top projects in Emerge Americas 2018 Hackathon with Video Anemometer, Miami, FL
- Fifth Place in Bitcoin Hackathon 2018 with Bitcoin Caster, Miami, FL
https://github.com/win2013/bitcoin_alex
- Winner of Kinect/Gesture-controlled Hackathon in Boca Raton, FL <https://github.com/win2013/airthenticate>
- Finalist and presenting EGLA COMMUNICATIONS at Florida Venture Forum in Coral Gables, FL 2015
- Finalist at “Emerge America’s” Conference with Mediamply/MEVIA in **2014**, Miami Convention Center
- Finalist with Mediamply “Music Sparks” in LAB Miami, FL in 2015.
- Mention of honor in the Honduran National Science Contest, May 1997.
- Ranked 1st in undergraduate studies, Costa Rica Institute of Technology, July 1995.
- Four consecutive academic scholarships undergraduate work at Costa Rica Institute of Technology (ITCR), 1991-1995.
- Winner Business Plan Competition in **University of Florida** 2002 and Runner-up in 2001
- *High-Performance Computing and Simulation Lab* student award, spring 1999.
- In March 2001, as a co-founder of E-melodies, runner-up during the *2001 UF Business Plan Competition* at the University of Florida and winner of the *2002 UF Business Plan Competition in Information Technology*

Evidence of Use and Software Code Reviews Expertise

- Many source code reviews involving multiple languages including C/C++ for several vendors in 802.11, LTE, 3G systems, Bluetooth, Board Support Packages (BSP) Systems, Augmented Reality, Wearables, UWB, and other wireless technologies including WPC/Qi-charging,
- Review of FPGA circuits: WIFI6, Beamforming: 802.11ax, others systems
- Source Code reviews for web applications: E-Commerce Platforms (PHP, Apache Gradle, Javascript, Servlets, Tomcat, NodeJS, Typescript platforms and others),
- Source Code Review for networking and virtual machines: 3G, 4G systems, handover protocols, Open Loop Power Control, eNodeB, NodeB systems, Femto Cells, MME source code, etc.
- Source Code Review for mobile technologies: Android modules and drives, iOS applications, including packet captures RRC, RRB Protocols, 3G/4G modems, Power Management drivers, displays, sensors, BSP.
- Source Code Review for storage platforms: FreeBSD, Linux, Ext2FS, RAID configurations, etc
- PowerShell and others for a Windows platform including Cisco Routers, VMWare, Xen, Docker, and networking designs
- Experimental setups for WIFI, Bluetooth, IP networks, to support or rebut Infringement theories, and analysis with forensic tools for data.
- Wide experience with clean room environments

Publications

- E. Hernandez, S. Helal “Mobility Protocols and Emulation Systems” accepted Microwave Journal.
- I. Zablah, E. Hernandez, et. al. "Algorithmic Auditing and Bias Mitigation in Clinical AI Models for Rural Honduran Populations: A Simulation-Based Study" (#1229), LACCEI 2026, International Multi-Conference for Engineering, Education and Technology, July 2026, Santiago de Chile
- I. Zablah, E. Hernandez, et. al. "Clinical Data Engineering Pipeline for Enhanced Quality, Normalization, and Analytical Usability", LACCEI 2026, International Multi-Conference for Engineering, Education and Technology, July 2026, Santiago de Chile
- I. Zablah, E. Hernandez, et. al. "IoT-Based Biomedical Architecture with Real-Time Streaming Analytics for Preventive Health Monitoring, LACCEI 2026, International Multi-Conference for Engineering, Education and Technology, July 2026, Santiago de Chile
- I. Zablah, E. Hernandez, et. al. "Integration of High-Performance Computing and Artificial Intelligence for Accelerated Clinical Diagnosis: A Comparative Study Using Cloud and On-Premise Infrastructure", LACCEI 2026, International Multi-Conference for Engineering, Education and Technology, July 2026, Santiago de Chile
- I. Zablah, E. Hernandez, et.al “Enhance Honduras Development with Technology Transfer of High-Performance Computing,” World Development Journal, Jan 2016.
- E. Hernandez, "War of Mobile Browsers," IEEE Pervasive Computing, vol. 8, no. 1, pp. 82-85, Jan.-Mar. 2009
- E. Hernandez, A. Ayyagari, “Heavily-tailed Network Traffic Modeling for Power Management”, IEEE Workshop on Performance and Management of Wireless and Mobile Networks Australia, November 2005
- E. Hernandez, M. Chideste, and A. George, "Adaptive sampling for network management," Journal of Networks and System Management (JNSM), Vol. 9, No. 4, Dec 2001.
- E. Hernandez, A. Helal, “Predictive Mobile IP for Rapid Mobility,” IEEE Conf. Wireless Local Networks 2004, Tampa, FL
- E. Hernandez, A. Helal “RAMON: An emulation approach,” IEEE Conf. Local Computer Networks 2002, Tampa, FL
- E. Hernandez, A. Helal, "Examining Mobile-IP Performance in Rapidly Mobile Environments: The Case of a

- Commuter Train," IEEE Conf. Local Computer Networks 2001, Tampa, FL, Nov 14-16, 2001.
- A. Helal, S. Shah, E. Hernandez, "Mobility Benchmarking In Ad-Hoc Networks," The IPSJ Journal, Vol.43, No.11, June 2002. Approx. 15 pp.
 - S. Shah, E. Hernandez, A. Helal, "CAD-HOC: A CAD Like Tool For Generating Mobility Benchmarks In Ad-Hoc Networks," SAINT 2002, Japan, January 2002

Thesis and Dissertation

- E. Hernandez "*An adaptive protocol for rapid mobile environments,*" Ph.D. Dissertation, University of Florida, August 2002
- E. Hernandez. "*Adaptive sampling for network management,*" M.Sc. Thesis, University of Florida, Dec 1999
- E. Hernandez, Y. Lee. "*Monitoring system of a packet data network,*" B.Sc. Thesis. ITCR, report, July 1995

Books

- Viva5G for Executives and Entrepreneurs – Q1, 2026
- Viva5G for Engineers and Scientists – Q1, 2026

Technical Reports and Prior to publications

- E. Hernandez "MEVIA COIN – White Paper " – November 2021
- E. Hernandez "Mediamplify: A Multimedia Platform for MPEG TV Systems," Dec 2015
- E. Hernandez, A. Helal, "RAMON: A network emulation environment," CISE Department, University of Florida, 2005
- E. Hernandez, A. Helal, "Ghost Mobile IP," CISE Department, University of Florida, 2005.
- E. Hernandez, "DMTF: Authentication for Mobile Phones," Motorola, defensive Publication, 2004

Patents and Innovations (17 Issued, 5 Patent Pending)

- E. Hernandez, A. Ayyagari, et al. "Method and system for managing power consumption of a network interface module in a wireless computing device," Microsoft Corporation. **Issued US Pat. 7,564,810**
- E. Hernandez, A. Helal, RAMON, "Rapid Mobility Network Emulator Method and System," University of Florida. **Issued US Pat. 7,231,330**
- E. Hernandez, A. Helal, "System, Apparatus, and Method for Proactive Allocation of Wireless Communication Resources," University of Florida, **Issued US Pat. 7,697,508 and US Pat. 8,213,417**
- S. Poursabahian, E. Hernandez, et al, "Bluetooth PAN Driver," Microsoft Corporation, **Issued US Pat. 7,269,388**
- Krantz, E. Hernandez, et al "Rules-based Network Selection Across Multiple Media," Microsoft Corporation, **Issued US Pat 8,788,715, and 7,996,505**
- V. Bhanu, E. Hernandez, et al, "Smart Scan for Bluetooth PAN Services," Microsoft Corporation," **Issued US Pat. 8,024,487**
- E. Hernandez, K. Ardizzone. "Thumb-based User Interface for Camera Phones," Motorola, Inc, submitted 2005
- E. Hernandez, et al. "Java-based Push to Talk, " **Issued Pat 8,707,337**
- E. Hernandez, "Secure USB Drive," Motorola, Inc, submitted 2005
- E. Hernandez, J. Tracy "Magnetic Connector", Motorola, Inc, **Issued US Pat: 7,331,793 with over 200 references.**
- E. Hernandez,– Issued US Patents: **10,123,074, 10,524,002, 11,140,441, 12,075,116 and 18/800,685 patents and continuations.** PCT No. 16/729,986 and 15874332.8, and issued European Patent **EP3238457.** For the following countries: Germany, France, UK, Spain, Portugal, Italy, Hungary, Austria, Estonia, in 17

Jurisdictions.

- E. Hernandez – Anemometer with Augmented Reality – April 2018 – Patent Application Filed and discontinued
- E. Hernandez – Systems and Methods for Improved Biohazard Waste Destruction Selection – Filed – US Patent **11,441,773** and Continuation **18/780,152**
- E. Hernandez – Decentralized Operating System and MEVIA OS – The MEVIAVERSE Platform in the works. US Pat **12,346,399** and **19/242,237**, **PCT/US2024/022310**
- E. Hernandez – AI/ML Reservation system for healthy food ordering – Under completion.
- E. Hernandez – Portal to the METAVERSE - Under completion
- E. Hernandez – Web3 and NFT Authentication system for IRL and Virtual Worlds – Under completion
- E. Hernandez – NFT Phone Number – Universal Calls – Under Completion

Broadcasting, Blogs & Podcasts

- FM Radio & Podcast – **Ask Alice** Show – May to August 2018
- **Media Products and Projects:** TECHEDTV Podcast and YouTube Channel, TRAVELWITHED, EXPERT WITNESS TV – Producer and Host. <https://teched.tv> on Apple iTunes, TuneIn, Spotify, Amazon Music, iHeart Radio, and other podcast websites.
- Technical articles at medium.com/@edwinhm and edwinhernandez.com

Software & Engineering Skills

Operating Systems Experience: Linux Operating Systems (*Expert Level*), Windows Platforms, AWS, Google Cloud, Microsoft Azure

Artificial Intelligence: NVIDIA Tools including CUDA, LLM, private AI/ML lab for testing

Cloud Computing: AWS, Google Cloud, Azure, VmWare & XenServer, Docker Containers & Kubernetes. Cloud storage and platform development of multimedia delivery systems.

Marker Space & Electronics: 3D Printing, Sketching, Design, CAD/CAM, Circuit boards, logic boards, electronic components and RF engineering.

Block Chain Technologies: ERC-20, Solidity, Solana, Bitcoin, Ethereum, Binance, DEFI tokens, consensus algorithms, miners, NFT or Non-Fungible Tokens

Mobile Programming: iOS and Android. Android OS including Smart TV, IOS Development for iPad/iPhone/TV, Embedded Development with Raspberry PI. Legacy systems: Windows CE, J2ME, Blackberry RIM SDK, Motorola SDKs, Samsung SDK BREW, Qualcomm AMSS/DMSS.

Software Development languages: React, React-Native, Python (Django), PHP, Javascript (jQuery, NodeJS, AngularJS), Objective-C, Swift, Java, Java/Android, GNU C/C++, C#, VB.NET, Platform Builder, Java Micro-Edition, J2SE, and MySQL.

Machine Learning: Generative AI models, Large Language Models, LSTM, Deep Learning, Scikit, OpenCV, Python and Text-to-Speech Technologies, Statistical model used in data science.

Multimedia Systems: Cable TV, DVB-C, DVB-S, IP Multicasting, Streaming Platforms, Encoding, Transcoding, Metadata, MPEG TS, Cable & Satellite Systems.

Wireless Protocols: GPRS, UMTS, 4G LTE Handoff, 5G XN, and NFV Platforms. Beamforming, Power Management, RRC Messaging, Femtocells, small cells, QXDM logs. Experience with Wearables, Bluetooth LE, BNEP, and many PAN systems. Wide experience with GSM, GPRS, and other legacy wireless standards such as CDMA 2000, iDEN, and others. Extensive experience with mobility protocols in UMTS, LTE, GSM, Mobile IP, MIH and research projects such as Cellular IP, HAWAII, AODV, and other systems. Expert level on WIFI, WPA-3, and IEEE 802.11 standards.

Software Defined Radios and Networks: GNU Radio, Propagation, RF and Software-based Emulation, Wireless Emulation, Fading, Modulation, & others

Internet Networking: In-depth knowledge of IPv4 and IPv6 protocols, IP tunnels, TCP/IP, Web Sockets. NDIS driver design in Windows platforms, PCAP, Experience managing and securing Cisco IOS routers networks & firewalls and SNMP management. Fiber optics, IP Tunnels, VPN, Switching, Redundancy.

3D Printing: Fusion360, 3D Slicing techniques

UI/UX: Figma Prototyping

Process Management: Github, JIRA, TFS & SCRUM

Data Center: Expert server admin, Power Management, A/C, Electrical Distribution, Networking,

Scientific and Engineering Tools: MATLAB, pSPICE, OrCAD, Network Simulator (ns-2 and ns-3), wide experience in electronic circuit design, digital design, and low-level debugging tools, including PC-104 and circuit design.

Legacy Programming Languages: VHDL, LISP, PROLOG, FOXPRO, Pascal, Embedded design, Intel assembly code (i8051, x86), and TCL/TK.

Technology Licensing

- The US patents Nos. 7,231,330, 7,697,508, and 8,213,417 are licensed by a major internet and wireless communications companies and are in use to manufacture millions of cellular devices and telecom carriers including **Verizon Wireless, Cisco Systems, DISH Wireless, Samsung, Nokia, Ericsson**, as a licensee.
- US Patents 10,123,074, 11,440,441, 10,524,002, and 12,075,116 (**MEVIA Patent Portfolio**) campaign started for licensing
- US Patent 11,441,773 (Augmented Reality) started licensing campaign.
- US Patent 12,346,339 (MeviaOS) started a new venture and licensing campaigns
- Assisting several startups with technology licensing needs including Trademarks, Software, and Patents

Entrepreneurship & Ventures

EGLA CORP dba, EGLA COMMUNICATIONS: Corporation behind the EGLAVATOR and other startups: Mediamply & MEVIA Platform (Cloud to Cable TV), Expert Witness Consulting & Services, Software/Cloud hosting, Multimedia Delivery Services, EGLA.ai - Artificial Intelligence, Demolizer, and other platforms. For additional, information: www.eglacomm.com | www.eglacorp.com

- **EGLAVATOR:** Technology incubator in Boca Raton, FL www.eglavator.com
- **Mobility Workx, LLC:** Principal, 3G/4G/5G Emulation and X2, XN Handoffs under patents US7,231,330, US8,213,417 and US7,697,508 also known as MobileCAD and MobileIPP. www.mobilityworkx.co
- **UBIWIRELESS, LLC dba EDWIN HERNANDEZ, LLC:** Founder & owner. This company dedicated to IP Monetization, previous projects include RxProfile™ (<http://rxprofile.net>), FUTMOB, and Ad2Fone, among others (Mobile Applications). Licensing entity of EDWIN HERNANDEZ, LLC.
- **EGLA Ownership:** Guiltless To Go, Shibzoids NFT, Turbo Booster, PointsKash, Marine Cyber, and others.

COMPUNET S. de R. L. Founder and CTO, Honduras Pioneer Internet Service Provider founded in 1997 completed operations in November 2009, one of the first ISPs in Honduras. Other ventures founded in Gainesville, FL: US BioMedical Information Systems, Inc, E-Melodies, LLC, SmartFit, LLC,

Personal Information

- **Hobbies:** Guitar playing, running, soccer, volunteering for charities, option and derivatives trading.
- **Citizenship:** Honduran and US Citizen
- **Religion:** Catholic - Salesian Alumni – Instituto Salesiano San Miguel

Services and Memberships

- **Organizing Committee** – Honduras Global, Non-Profit Organization, Board Member from 2025 - 2027
- Licensing Executives Society International (**LES**) Member– 2020 to 2024
- **Fulbright Honduras** – US Alumni Member with US Embassy in Honduras
- Mentor for hackathons, Business Plans, and internships at the **EGLAVATOR**
- Member of **Industry Advisory Board** for Florida Atlantic University, Electrical and Computer Engineering Department, 2017-present

- Presenter as Technology Showcase and member of South Florida TECH 2020-2022
- **GSMA – 2019 & 2020 Mobile World Congress, Judge** Barcelona, Spain
- Emerge Broward and Leadership Broward Member 2014-2016
- Organizing Committee, Mobile Mondays Miami, 2009-2013
- Organizer “Startup Weekend Boca,” October 2013
- Hispanic Graduate Student Association, Finance chair, 2001-2002
- Hurricane Mitch Volunteer, Gainesville, FL. October 1998
- IEEE member (current)
- Tae Kwon Do, Black Belt, First Dan
- St. Andrew’s Catholic church, Life Teen, Coral Springs, FL, 2004-2005
- Member of Lovebags.org, 2007-2009
- Member of Society of Hispanic Professional Engineers, 2009-2010

Technical Program Committees/Reviewer for International Conferences

- 2026 IEEE 18th International Conference on Computational Intelligence and Communication Networks (CICN) – Manila, Philippines
- 2026 EECIS The 13th International Conference on Electrical Engineering, Computer Science and Informatics (EECSI 2026) will be held in Yogyakarta, Indonesia
- 2026 IEEE-IMCET’26 5th IEEE International Multidisciplinary Conference on Engineering Technology IMCET – Beirut, Lebanon
- 2026 – CSNT - IEEE International Conference on Communication Systems and Network Technologies
- 2025 - International Conference on Computer and Applications – 7th Edition – Arab Open University - Bahrain, IEEE-ICCA 2025
- 2025 - IEEE International Conference on Electronics, Circuits and Systems (ICECS))
- 2025 14th IEEE International Conference on Communication Systems and Network Technologies
- Reviewer Indonesian Journal of Electrical Engineering and Computer Science -
- 2024 IEEE – International Conference on Innovation and Intelligence for Informatics, Computing, and Technologies.
- 2024 IEEE TENCON –Artificial Intelligence and Deep Learning Technologies for a Sustainable Future, Singapore
- 2024 IEEE GLOBECOM – Global Communications Conference -
- 2024 AICT Conference – Bahrain
- 2024 CSNT Conference – Communications Systems and Network Technologies, India
- 2024 Indonesian Journal of Electrical Engineering and Computer Science
- 2023 IEEE-ICM – International Conference on Mechatronics
- 2023 IEEE-MCET 23 – 4th Multidisciplinary Conference on Engineering Technology
- 2023 IACT - 7th Arab ICT Conference
- 2023 IEEE GLOBECOM, Global Communications Conference
- 2023 IEEE CSNT Conference
- 2022 IEEE 11th International Conference on Communication Systems and Network Technologies 2022 IEEE CSNT Conference
- 2021 IEEE TELKOMNIKA (reviewer)
- 2021 – IEEE International Seminar on Machine Learning Optimization and Data Science, ISMODE (Reviewer)
- 2021 CICN - IEEE International Conference on Computational Intelligence and Communication Networks (Technical Program Committee)
- 2021 3rd ICERA – IEEE International Conference on Electronics Representation and Algorithms (Reviewer)
- IJ-ICT 2021 – IEEE International Journal of Information and Communication Technology (Reviewer)

- IJEECS 2021 and 2022 – IEEE Indonesian Journal of Electrical Engineering and Computer Science (Reviewer)
- IJRES – IEEE International Journal Research Education and Science 2021 and 2022 (**Associate Editor**)
- IEEE The International Conference on Communication Systems and Network Technologies (CSNT2021)
- ICCAIST 2021: IEEE 4th International Conference on Computer Applications & Information Security, Saudi Arabia.
- 2020 IEEE TELKOMINKA, Telecommunication, Computing, Electronics and Control
- Editorial Board of **Indonesian Journal of Electrical and Computer Engineering** 2021
- 2020 CICN - International Conference on Computational Intelligence and Communication Networks
- 2020 BDAW - Big Data and Advanced Wireless Technologies,
- 2019 International Symposium on Electrical and Electronics Engineering, ISEE2019.
- 2019 IEEE Asia-Pacific Conference on Applied Electromagnetics (APACE2019)
- 2019 1st International Conference on Cybernetics and Intelligent System (ICORIS) 2019.
- 2019 IEEE Game Entertainment and Media – Ireland
- **Editorial Board Member and Reviewer**, Journal for Networks and Systems Management, from 2004-present
- 2018 Journal of Simulation: Transactions of the Society for Modeling and Simulation International
- 2018 International Conference on Information and Communications Technology (ICOIACT)
- 2017 2nd International conferences on Information Technology, Information Systems and Electrical Engineering (ICITEE)
- 2016 Global Summit on Computer and Information Technology
- 2016 International Conference on Information Technology, Information Systems, and Electrical Engineering
- 2016 Recent Advances in Communications and Networking Technology
- WCI 2015 – Women in Computing and Informatics
- 2012 (2012 IEEE Symposium on Wireless Technology & Applications).
- IEEE International Consumer Networks, 2011
- IEEE Broadnets - 2008
- IEEE Wireless Networks Magazine, 2002-2003
- IEEE Transactions on Mobile Computing 2007
- IEEE Wireless Local Networks 2005-2007
- IEEE Local Computer Networks 2007-2008
- IEEE GLOBECOM 2005
- IEEE SOUTHEAST CONFERENCE 2005
- IEEE Conferences in 2014-2015
- 2004-2009 - Panelist at 4G Wireless (Miami Beach, FL), several “Mobile Monday” events, and Mobile Commerce Latin America (2009).

Tutorials

- Electrical and Computer Engineering Technology Faculty, Rochester Institute of Technology (RIT), Tutorial on LTE Emulation & Signaling for Handover, September 2020
- WEBCONF Latino 2010, Tegucigalpa, Honduras.
- Mobile Computing Platforms, Tegucigalpa, Honduras.
- IEEE SOUTHEAST CONF 2005. “Windows Cryptographic API,” A Session Keys Paradigm.
- *Keynote speaker* at "First Tuesday" Tegucigalpa, Honduras, and San Salvador, El Salvador

Training

- **Tucks Schools of Business – Dartmouth University**, Digital Strategies for Entrepreneurs, Google Campus, Seattle, WA, and December 2016.
- **Management Skills and Business Strategies**, FAU Campus, Boca Raton, FL, January 2014

Languages

Fluent in Spanish and English. Basic knowledge of German and French

Teaching Experience

Teaching Assistant for Mobile Computing, *University of Florida*, (Spring - Fall 2001)

Experience: Mobile Computing is level-6000 graduate class. The class involves the discussion of research papers and a practical section where different wireless technologies are covered. In addition to my job duties, an automated examination tool was developed as an additional class aid for grading. The class required J2ME/JSEE knowledge and the ability to support the class with Motorola smart phone development, plus all additional aid required to run the killer application competition sponsored by Motorola.

Teaching Assistant for Software Engineering, *University of Florida* (Fall 2000)

Experience: The class was targeted to computer engineering seniors as an introduction to the software development cycle. Students carry-on a web-based project and deliver specific documents and specifications (architectural, design, UI), develop a prototype, schedule different tasks, and manage the project to be delivered on time. The TA assists technically and supervises their work, grades quizzes and exams.

Teaching Assistant for Introduction to CIS/Java, *University of Florida* (Summer 2000)

Experience: I taught an introductory lab session, graded quizzes, exams, and assignments. As an assistant I held different tutorial sessions on object-oriented concepts and problem-solving skills.

Teaching Assistant for C++, *University of Florida* (Spring 2000)

Experience: Grading and preparing assignments for the class.

Instructor at the Central American Internetworking Conference, (9/1998)

Experience: During the conference, I taught a 3-day intensive hands-on class on network security. I covered topics from: network intrusion detection, privacy, and authentication mechanisms

Instructor, *Central American Telecommunication Videoconferencing* (Summer 1996)

Experience: Teaching Linux (Operating Systems), C++, and Networking seminars to engineers all over Central America (Remote teaching)

Central American Telecommunication Commission, Engineer, Honduras, (8/1995 – 5/1997)

Experience: Network Engineer, Videoconference systems (VTEL and H.323), software development for telecommunications and traffic management

United Nations Development Program (UNDP), IT Consultant, Honduras, (11/1996 – 5/1997)

Experience: Network security and consultant for the United Nations program in Honduras. Software auditing and network configuration

Research Experience

Research Assistant, University of Florida, Gainesville, FL (1/2000 – 8/2002)

Experience: I investigated the effects of handoff and network mobility at different vehicular speeds. I used Mobile network simulation and emulation were important tools to study Mobile-IP and Layer-2/3 mobility protocols. I developed RAMON, Rapid Mobile Network Emulator, a device that emulates network layer mobility and programmatically replicates mobility conditions varying from signal strength, packet delay, BER, and speeds. RAMON uses real 802.11b Access Points, Omni-directional antennas, embedded computers (e.g. PC-104) and custom-build control circuitry. RAMON also used a .NET interface to automatically create network topologies to be emulated. In depth routing protocols explored, IP tunnels, and low-level network device driver adjustments. I conducted extensive simulation work on ns-2.

Research Assistant, University of Florida, Gainesville, FL (9/1997 – 12/1999)

Experience: I joined the High-performance Computing and Simulation Research Lab. During my thesis work, I applied Fuzzy Logic in Network Management, focusing on how adaptive sampling could reduce captured statistics without losing important network behavior. Additionally, I researched ATM networks, SNMP (Simple Network Management Protocol), Virtual Interface Architecture (VIA) over Myrinet, CORBA, and High-performance Cluster Computing topics.

Program Manager Intern, Microsoft Corporation, Redmond, WA (5/2001 – 9/2001)

Experience: As an intern, I investigated self-similarity and power management algorithms for Wireless Networks. I modeled the method how service time per packet could be estimated and used for QoS in ad-hoc and infrastructure networks.

Network Engineer, Radiografica Costarricense, R&D, Costa Rica. (Jan - Jul'95)

Experience: I developed a microcontroller-based (x8051 and RUPI-51 micro-controllers) system to measure X.25 and PBX data traffic, Windows-based GUI, and X.25 frame captures

Consulting and Expert Witness Experience

- **KOM, Inc** vs. Netapp – Cloud Storage Expertise - Expert Witness for KOM, Code Reviews, Expert Reports
Attorney Firm: Dinovo & Price
Case: Patent Case – Storage Computing & Compliance
Technology: Cloud storage, operating system driven access, WORM
Settled
- **BMG Music** vs. Altice Inc. – Expert Witness for BMG Music
Attorney Firm: StepToe
Technology: Firewalls, traffic analysis, detection methods.
Case: Copyright infringement – Technology Negligence
Q3'2023 – Settled
- Cisco Systems vs. **Corrigent Networks** – IPR2023-00169 – Assisting Corrigent Networks
Attorney Firm: Step Toe, Kramer Alberti Lim & Tonkovich LLP
Technology: Internet networking and Packet-based systems with cost routing
Case: Reexamination, IPR – Networking and Switching technologies
Q4'2023 – Final Decision.
- **ConnectQuest** v. Oura – Assisting ConnectQuest
Case: Patent Infringement - USDC USC 101 Declaration
Technology: Connected and Wearable devices, Bluetooth, others
Q4'2023 – Settled
- **Mojo Mobility** v. Samsung, USDC Eastern District of Texas
Case: IPR, Patent Infringement – Wireless Charging Technologies and Charging Protocols.
Technology: Wireless Charging for wearable devices, phones tablets, and pens.
Attorney Firm: McKool Smith
Mid-2023 – Technical Advise – Involvement Completed
- Virtela Technology Services v. **Andrew Funk**, USDC District of Colorado,
Expert Witness for Andrew Funk.
Attorney Firm: Dorsey Law
Technology: Cloud computing, Synchronization
Case: Trade Secret Theft – Cloud Computing
Mid 2015 - Case Settled 2016.

- Del Castillo v. **Bank of America**, USDC Southern District Florida
Expert Witness for Bank of America
Attorney Firm: Liebler Gonzalez & Portuondo PA
Technology: Social media propagation and cleanup of news.
Case: Online Reputation and Web search
Q1'2017 - Case settled 2017
- **BNR Mobile** v. Several defendants (HMD, others), USDC Eastern District of Texas
Case: Patent Infringement
Technology: Beamforming, Mobile Services for Authentication, Mobile and Remote Control of devices, Integrated Circuits and Packaging.
Attorney Firm: Devlin Law
Q1'2020 – Settled and Completed Engagement
- **BNR** v. Several Defendants (NOKIA, BLU, Samsung, TCL, AsusTeck) – International Trade Commission Case No. 337-TA-3568 and 337-TA-1367
Case: Patent Infringement, Mobile Devices, Code Review, Evidence of Use, Certain Electronic Devices Having Wireless Communication Capabilities and Components, Mobility Patents, WIFI
Technology: Beamforming, Mobile Services for Authentication, Mobile and Remote Control of devices, Integrated Circuits and Packaging.
Attorney Firm: Devlin Law
Q1'2020 - Case settled.
- LG Electronics v. **BNR** – Expert Witness for BNR - IPR2020-00108 for U.S. Patent No. 8,416,862 (Terminated, Settlement During 2020)
Technology: Mobile Devices, Android, and Wireless Communications
- SAMSUNG v. **BNR** – Expert Witness for BNR - IPR2020-00611 (**Denied**) and IPR2020-00613 (**Not Instituted**) for U.S. Patent No. 8,416,862
Technology:
Case settled around 2020
Technology: Mobile Devices, Android, and Wireless Communications
- **Charles Smith Enterprises, LLC** v. Catapult Sports Inc, USDC District of Delaware,
Case: Patent Infringement (Claim Construction Matters)
Technology: Video encoding and processing using editing software.
Attorney Firm: Devlin Law
Q4'2022- Settled – Re-Exam continues in 2024
- **Honduran Government**, “National Institute of Properties,” Multi-million-dollar platform transferred from the World Bank to the Honduran Government - Code Review for Java, .NET, and Cybersecurity in **2017-2018**
Technology: Oracle Databases, Java-based Platform Code Review, Clean Room, Security, Storage, Data Center.
- Auditing of Honduran Elections, Forensics and fraud detection and analysis (Pro-Bono) in 2018
Auditing of Honduran Elections, Forensics and fraud detection and analysis (Pro-Bono) in 2021
Technology: Cryptography, Image Processing, and data analytics for fraud detection.
- **Intellectual Ventures** v. Toyota Motor Corporation,
Intellectual Ventures v. GM, Volvo, others. USDC Eastern District of Texas (Case settled for \$15M each)
LG vs. Intellectual Ventures – USDC of Delaware (Trial)
Case: Patent Infringement
Technology: Media Networks in Vehicles, Telematics, Video Sensors, Video encoding, Car Networks, and protocols. CAN, MOST, Ethernet, VCUs, etc.
Attorney Firm: Kasowitz Benson Torres LLP
Q1'2022 – Testified at Trial on behalf of Intellectual Ventures.

- **Key West Golf Club v. Cable Provider** – Cable TV distribution technologies – Preliminary study – Key West, FL, Q1’ 2019
Technology: DOCSIS 1.0 and 2.0 systems, measuring SNR to determine quality.
- **L2MT v. Google,**
L2MT v. OnePlus,
L2MT v. TCL and other defendants, USDC Northern District of California,
Case: Patent Infringement for 3G Protocols, Claim Construction Assistance
Attorney Firm: Fitch Even Tabin & Flannery LLP
Case dismissed for Google around 202
One Plus – Settled in 2024
TCL – Settled in 2024
- **Mobile Manufacturer v. Carrier,** USDC Eastern District of Texas,
Expert Witness for Mobile Manufacturer
Case: Patent Litigation – Wireless Protocols, Tunnels, and Signals.
Attorney Firm: Fish and Richardson
Q1’2017 - Case settled 2017
- **DISH Network LLC v. Multimedia Content Management LLC,** IPR2019-01014 and IPR2019-01015,
Expert Witness for Multimedia Content Management, LLC, 2019
Case: Patent Trial and Appeals Board
Technology: Hardware design and implementation, Multimedia Encoding.
Attorney Firm: Toler Law Group, PC
IPR Not instituted in both cases.
- **Bandspeed v. RealTek Semiconductor Corporation,** USDC Western District of Texas,
Case: Non-Infringement, Invalidity, Code Reviews, etc.
Attorney Firm: Orrick Law
Technology: WIFI and other technologies.
Q1’2023 – Settled
- **Seven Networks v. Google**– USDC Eastern District of Texas
Expert Witness for Seven Networks
Case: Patent Litigation
Attorney firm: Thompson and Knight LLP
Technology: Software for data synchronization
Case Settled 2017
- **TOT Power Control, SL v. T-Mobile,** USDC Eastern District of Texas
TOT Power Control, SL v. Handset Manufacturers, Massachusetts.
Code Review, Infringement, Validity
Case: Patent Infringement
Attorney Firm: DiNovo and Price
Technology: Open Loop Power Control and other systems in 3GPP systems
Q3;2023- Ongoing on Code Review, Infringement, Validity
- **TCL - assistance & consulting for several patents and IP cases - Taiwan**
Q2,2022 – Preliminary analysis on WIFI technologies
- **Stone v. AT&T, Vehicle,** USDC Southern District of California
Case: TCPA Matter – Expert Witness for AT&T, MMS Messaging
Technology: MMS messaging and Telephony
Attorney Firm: Hill, Kertscher and Wharton, LLP
Q1’2019- Case settled in 2019 (Deposed, Settled)

- **Barkan v. Sprint**, USDC Eastern District of Texas,
Attorney Firm: Susman Godfrey, LLP
Technology: PicoCell, MicroCell, and other small cells.
Case: Technical Expert Reports, Code Reviews, 4G, PicoCells, Tunnels, Invalidity and Infringement Reports, Deposed (Q2'2020 - Case Settled in 2021, assisted Walt Bratic in damages expert with a large licensing deal)
- **Bell Northern Research, LLC v. LG Electronics, Inc., et al**, USDC Southern District of California
Attorney Firm: Skiermont Derby LLP
Case: Patent Infringement & Validity Federal Case. Code Review, Expert Witness Declaration and IPRs (3) – Beamforming and Wireless Technologies
Technology: Beamforming, WIFI, and other Wireless Technologies
Settled around 2020, Terminated Institution
- **Bell Northern Research, LLC v. Samsung et al**, USDC Eastern District of Texas.
Attorney Firm: Skiermont Derby, LLP
Case: Infringement & Validity Federal Court, IPRs (3), California, Code Reviews Assisting infringements reports & damages models, Technical Expert Reports
Technology: Beamforming, WIFI, and other Wireless Technologies
Case Settled around 2020, 2 IPRs not instituted
- **Blue Radios v. Kopin, Inc**, USDC, District of Colorado
Blue Radios v. HBSR, Massachusetts District Court,
Expert Witness for Blue Radios –
Attorney Firm: Sheridan Ross, Jeffer Mangels Butler & Mitchell LLP, and others
Case: Patent Litigation, Code Review, Trade Secret Theft Matter in Wearables, Bluetooth, User Interfaces, Supplemental Report, Licensing Analysis, Head Mounted Displays, Military Technologies (ITAR)
Technologies: Military – Requires ITAR clearance, Wearables, and others.
Ongoing (**Deposed 2-times, 720 Hearing – Testified at trial, \$24.8M award to Blue Radios.**)
- **Contour Data Solutions v. Gridforce, CDW**, USDC Eastern District of Pennsylvania,
Case Technical Expert Reports (Data Center, Cloud and Virtual Machines, Trade Secrets)
Attorney Firm: Vedder Price
Deposed and Expert Report Files
Technology: Cisco Routers, Networking, Data Centers, Internet Protocols
Q1'2021 - Settled
- **Workspot v. Citrix** – PTAB, IPR2019-01002 – Declaration for CITRIX
Case: Patent Trial and Appeals Board
Attorney Firm: DLA Piper
(Deposed, instituted but all claims held patentable - PTAB judges agreed with my analysis., IPR denied for Citrix patent
- **Express Mobile v. DreamHost, LLC** – Expert Witness – USDC District Court of Delaware – 2019
Case: Patent Infringement – eCommerce Platforms, Javascript,
Technology: E-commerce, Java scripting, Networking, Databases
Attorney Firm: Devlin Law
Expert Reports
Q1',2018 - Case settled in 2019.
- **XCommerce v. Express Mobile, Express Mobile v. BigCommerce**, USDC Eastern District of Texas and USDC Northern District of California
Case: Patent Infringement – Virtual Machines, e-Commerce Platforms, PHP/JavaScript
Attorney Firm: Devlin Law
Technology: E-commerce, Java scripting, Virtual Machines, Networking, Databases
Expert Witness for Express Mobile. Review code for client, claim charts, code reviews, invalidity defenses,

Deposed, Trial Scheduled and Pending
Q1'20218 - ongoing

- **Flexiworld v. Amazon, others, USDC Western District of Texas, Technical Expert Reports (Streaming Technologies) (Withdrawn from Case)**
- **Gravel Inc v. T-Mobile, Bazaar Technologies, Target and other defendants, USDC Eastern District of Texas**
Case: Patent Infringement, Code Reviews, 101 issues, claim construction. Expert Reports
Attorney Firm: Devlin Law
Some cases settled, except with **Bazaar Voice Inc & others still ongoing**
Reports, Code Reviews e-Commerce Platform, Code Reviews. Server Gradle PHP, Java server
Q1'2022 – Settlement
- **Kaiffi v. T-Mobile, Verizon, USDC Eastern District of Texas,**
Technical Expert Reports (Streaming and wireless) (Withdrawn by Client)
- **Mediatek, et. al v. Nippon Telegraph,**
Nippon Telegraph v. Media Tek, USDC Eastern District of Texas - IPR2020-01607, Declaration and Reports,
IPR and USDC
Attorney Firm: Dickinson & Wright
Technologies: VHDL, Beamforming, Wireless Models, ISI
Case: Wireless Modulation, RF, OFDM, other wireless comm issues,
Deposed IPR, Validity and Infringement, VHDL Code Reviews – Case Settled
Q4'2019 to 2020
- **Mobility Workx v. T-Mobile, Inc**
Case: Patent Litigation – Wireless Handover 4G Protocols and Simulation
Attorney Firm: Machat Law and Others
(Deposed, Expert Declaration)
Q1'2016 until Case settled in 2017
- **Mobility Workx v. CellCo Partnership (Verizon Wireless,) USDC Eastern District Texas**
Damages Expert Witness for Mobility Workx, LLC - Daubert challenged, *allowed to testify on royalties*
Case: Patent Litigation and *Damages* Expert Royalty Calculation
Attorney Firm: Machat Law and HDMN Law
Deposed, Expert Report on Damages
Q1'2016 - Case Settled in 2021
- **Netapp v. Proven Networks, PTAB Case: IPR2020-01436,**
Proven Networks vs. Netapp USDC Western District of Texas
Declaration and Reports,
Case: Network Storage, Protocols, Caching devices.
Code Reviews, Infringement, Validity, Deposed for IPR, Not Instituted, Infringement, and Validity.
Attorney Firm: Russ August & Kabat
Q1'2021 – Settled in 2022
- **Talent Mobile Development v. Headios Group -USDC California**
Case: Trademark, Mobile Software, iOS and Android Applications
Attorney Firm: Machat Law
Technology: Mobile Applications, Android/IOS Apps, Authentication of Incoming Calls.
Jury trial testimonial with 700k award (**Trial Testimony**) Mid 2018 – Q1, 2020
- **TPI v. Keller Williams, Inc, USDC Western District of Texas**
Case: Damages and Technical Expert Witness, Trade secrets, Reasonable royalties, software.

Attorney Firm: White & Case LLP

Technology: UI/UX Interfaces, Mobile Design, Mobile apps, Social Networks.
Q1,2019 - Settled 2020 (Deposed, Settled)

- **TrackTime, LLC v. Amazon, Inc** – Delaware District Court
Deposed, Expert Reports on Infringement and Invalidity, Code Reviews
Case: Patent Infringement on Amazon Music Tap-to-Jump and Immersion Reading Multi-Page View
Technology: Multimedia Audio, Gesture interfaces, UI/UX design, Music Platform
Attorney Firm: Dunlap Bennet & Ludwig
Trial: Testimony at Jury Trial – Infringement, Validity, Trial Testimony with Judge Norakia. Client lost.
Q2,2022 - Q3,2023.
- **University of Florida Research Foundation, Inc. et. al. v. Motorola Mobility LLC.** At Southern District of Florida
Attorney Firm: Meltzer Law and Lundwall Law
Case: Patent Litigation Matter – Wireless Communications and Emulation
Case settled in 2014 (**Deposed**)
Q1'2011 – Settled 2014
- **Eric Mendis v. BMW North America** - Report on Wireless Charger analysis for a BMW X5 vehicle
Attorney Firm: Law Office of Boris Davidovskiy, P.C.
Case: Consumer Protection – BMW Wireless Charger
Q2'2023 – ongoing.
- **LG Electronics v. PANTECH** – IPR2023-01271
Attorney Firm: Devlin Law
Case: Patent Trial Board, on User Interfaces, IPR Declarations.
Q4'2023 – settled
- **Square One Choice, Inc v. DITEC Solutions,** US District of UTAH
Attorney Firm: Newmann Law, LLP
Case: Patent Trial, Claim Construction on 3D printing pen, software and hardware,
Q3'2024 -- Withdrawn
- **Edwin Hernandez, EGLA CORP v. Stingray Digital, Stingray Music, MOOD Media, AT&T, et. al** in Southern District of Florida
Attorney Firm: Robert Drolet, PLLC
Case: Patent and Trade Secret Theft, Multimedia Distribution Technologies for Music and Web-based User Interface Generation
- **Stingray Digital Group v. Edwin Hernandez** – IPR2025-00349, IPR2025-00350 and IPR2025-00351
Attorney Firm: Robert Drolet , PLLC
Technology: Media Streaming, Media Distribution,
Ongoing
- **Competitive Access v. Cisco** and other defendants including IPRs IPR2025-01370 to 01373
Claim Construction and Technical Expertise Assistance.
Attorney Firm: Stitson LLP
Case: Patent Trial and IPRs
Technology: Internet networking protocols, TCP/IP, hosting devices, routing protocols
Ongoing
- **Wapp Technologies vs. Apple, Inc** – Eastern District of Texas
Attorney Firm: Covington
Technology: Emulation and Simulation of Mobile Applications

**Case: Patent Trial and IPR
Q1' 2026 - Ongoing-**

- **Other Consulting Engagements**
 - Review of X-Ray machine radiation reduction technology analysis for Dr. Phil. – Q2,2021
 - Technology: Embedded design for X-Ray machine device -
 - Review of Turbo Booster technology – 2020 - ongoing
 - Software Platform for Digital Marketing
 - Review of MedMatch Networks Platform Q1-Q4,2023
 - Software Platform for Doctors
 - Architecture for Guiltless To GO LLC (GTG) , and CTO management for software platform, GTG was presented in Elevator Pitch, TV show. – Q2,2022-Q4,2023
 - Software for Mobile Applications and Backend for Server-based AI-driven interfaces for healthy food.
 - Review of Marine Cybersecurity systems in IT and OT – Q1 2022-ongoing
 - Interfaces for firewalls and on-board IT and OT networks in boats
 - Advising - Pre-trial / 4 Confidential Defendants/Plaintiffs (2013-2014)