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Top Skills

Business Support Systems (BSS)
Wireless Broadband
Wireless Communications Systems

Honors-Awards

Innovator in Telecommunications
Award

Patents

Systems and methods for virtual
ignition detection
Systems and methods for virtual
ignition detection

Steve Hall

Wireless IoT Pioneer and Technology Leader
Denver Metropolitan Area

Summary

I am a successful technology leader, evangelist, architect, system engineer, team builder and facilitator. My ability to bring people together to understand and successfully apply new technologies has resulted in successful product developments and launches generating hundreds of millions of dollars in revenue.

My diverse experience in wireless, data communications and supporting technologies provides me a unique perspective when it comes to analyzing needs and finding the right combinations of new and existing technologies needed to provide the ideal solution for any application.

A combination of experience in a variety of engineering and product marketing leadership roles provides me broad insight and a solid understanding of the full ecosystem. This understanding of the technical, commercial and market factors allows me to effectively manage the many considerations and trade-offs needed to successfully bring the right solution to market.

Key areas of experience and interest include:

- Wireless Data, M2M, MRM, IoT
- Cellular Networks (2G/3G/4G/5G)
- Cellular and Mobile technologies: GSM, LTE, NB IoT
- GPS, GNSS
- Vehicle Bus Technologies, CAN, OBD2, J1939
- Solar Power
- Low Power Design
- Sensor Networks
- Bluetooth
- WLAN, WPAN
- System Design
- C-V2X, V2X
- Mobile Communications
- Public Safety Communications

Geotab Exhibit 1129 Geotab v. Omega IPR2023-00504

Experience

Spectrum Enterprise

Senior Product Development Manager, Wireless Internet

January 2022 - Present (2 years 3 months)

Denver, Colorado, United States

Leading development of Charter's next generation wireless internet solutions for Enterprise and business customers.

S Hall Consulting

Engineering and Technology Consultant

March 2019 - Present (5 years 1 month)

Denver Metropolitan Area

Assisting companies in understanding and implementing technologies around IoT, telematics and the Internet of Things (IoT). Activities include product definition/specification, project scoping and analysis, make vs. buy analysis, vendor selection, architectural and system design, and implementation management.

CalAmp Corp.

14 years

Senior Director Technology and Systems

May 2017 - March 2019 (1 year 11 months)

Carlsbad, CA

As the technology and systems leader within the business, I established technical strategy and architectures for roadmap products, along with technical direction for customer opportunities and partnerships. I identified the appropriate products and technologies to meet the needs of our telematics customers and working with engineering to realize these solutions. I analyzed and facilitated introduction of new IoT and other technologies into our products and solutions, keeping a constant watch on emerging technology that could impact or benefit future generation solutions for our customers.

Senior Director, Product Line Marketing

June 2016 - May 2017 (1 year)

Carlsbad, CA

Managed broad line of telematics and related device products. Implemented initial program establishing a formal PLM organization and processes.

Developed strategy for improvement of product line focus. Defined roadmap and requirements for next generation OBD2 telematics device based on 4G

LTE Chipset and Linux platform. Defined and led development to refresh M2M product line for 4G LTE capability.

Director Of Technology

April 2005 - June 2016 (11 years 3 months)

Carlsbad, CA

Defined and facilitated development of the industry's broadest line of telematics products resulting in sustained year over year growth for over 10 years. Led establishment of OBD2 vehicle data team implementing a provisioning framework and proprietary OEM parameter library supporting thousands of vehicle models in the US and EU. Provided key system engineering, RF and low-power design expertise guiding successful launch of a wide variety of wireless products, including the industry's first cellular asset tracker with 10+ year battery life.

Skybility

Vice President Of Engineering

2003 - 2005 (2 years)

Carlsbad, CA

As Vice President of Engineering of the wireless data business spun off from Standard Communications, I defined and led development of the leading wireless data module solution for Machine to Machine (M2M) applications and the emerging wireless telematics market. Conceived and drove development of a dual mode GSM and analog cellular data modem based solely upon a GSM chipset design.

Standard Communications

Division Director, Wireless Datacom

1995 - 2003 (8 years)

Torrance, CA

As the managing director and chief technologist of this entrepreneurial business unit focused on the emerging M2M marketplace, I grew the business to a level where it was successfully spun off and acquired.

I developed key technology and business partnerships with wireless carriers and other industry players including BellSouth, GTE, and Aeris Communications. In addition, I architected and oversaw development of devices enabling a new range of technologies using cellular control channels for external application data. These technologies, later known as BellSouth Cellemetry(R) and Aeris Microburst(R), were at the forefront of what has become the Machine to Machine (M2M) market.

Philips Semiconductors
Product Manager - Wireless Data
1990 - 1995 (5 years)
Sunnyvale, CA

I managed a \$100M+ line of semiconductor devices serving a wide variety of markets. My primary focus was on expanding our data communications line for both wired and wireless applications. I personally defined and facilitated development and launch of a new line of LAN devices resulting in a 10-fold revenue increase in that segment. I also defined and oversaw development of a wireless data module platform that became the basis for a variety of successful products.
