

Paul Boerger

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Senior-Level Engineering Manager

Growth-focused professional with a robust track record of innovation and reliable technical leadership

Accomplished **engineering manager** with a passion for leadership in technology, business, growth, building great teams, and delivering innovative solutions through engineering excellence. Adept with capacity planning, new product introduction, Internet of Things (IoT), and complex systems development. Dedicated to excellence in cross-functional collaboration and team leadership. Inventor with **17 US patents**, 5 European patents, and author of 16 publications.

Highlights of Expertise

- Award-winning Product Design
- Strategic Technical Roadmaps
- IoT Platform and Ecosystem Development
- Project, Staff, and Program Management
- Domestic & International Alliances
- Scaled Agile Framework (SAFe)
- Product Lifecycle Management (PLM)
- Staff Development and Retention
- Machine Learning /Artificial Intelligence
- Ambitious Project Deadlines
- Strategic Partnerships
- Agile Scrum & Program Management

Career Experience

Ovantek, Loveland, CO (Present)

Secured and strengthened valuable partnerships delivering bold and pragmatic product designs.

PRESIDENT & CHIEF

Consulting, strategic planning, implementation, staffing, P&L, driving key business alliance forging and maintenance, design, and brand identity.

- End-to-end product development of first-ever full 60GHz phased-array wireless HDMI in the USA.

Vergent Products, Loveland, CO (2019 to 2021)

Resumed executive strategies from prior tenure with recapitalization and a new leadership team.

CTO & VP OF ENGINEERING

Propose, refine, and execute innovative strategies with recapitalized and revitalized business. Navigate productization of several new, stealth technology spaces. Secured strategic partnerships for new and vibrant business alliances.

- Tripled year-over-year revenue via strategic partnerships with new business alliances.
- Spearheaded massive infrastructure changes to enhance product realization capabilities.
- Acquired and leveraged ISO13485 medical development certification into engineering services.

Arrow Electronics, Centennial, CO (2018 to 2019)

Excel in guiding diverse, vast, and geographically distributed teams in achieving and exceeding project objectives.

ENGINEERING MANAGER, GLOBAL IOT SOLUTIONS

Served in essential leadership position, skillfully balancing multiple competing responsibilities, and fruitful strategic partnerships in cooperation with strategic Business Development teams.

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- Built and coordinated results-focused team members in creating and introducing first-of-its-kind IoT solution.
- Orchestrated elaborate design development for state-of-the-art IoT products, breakthrough ecosystems, and associated components.

Vergent Products, Loveland, CO (2017 to 2018)

Transformed strategic direction and revitalized company-wide productivity through exceedingly successful partnerships.

CTO & VP OF ENGINEERING

Held direct oversight of diverse engineering personnel, strategy formulation and execution, building services engineering, and team collaboration and communication. Generated comprehensive strategic roadmaps and alliances.

- Leveraged diverse expertise in repeatedly enhancing engineering performance to record-setting levels, ownership of engineering profit and loss, and refining IT processes and infrastructure.

Snapfish LLC, Fort Collins, CO (2016 to 2017)

Took command of geographically distributed teams, expansive capacity planning, and international cloud solutions launch.

SENIOR PRODUCT OWNER, COMMERCE BACK-END & GIFTS

Devised in-depth strategic initiatives to maximize profit and facilitate efficient new product introduction. Interpreted key data analytics to establish milestones.

- Interfaced with web-based alliances and drove commerce and gifts with high-reliability SW cloud solutions to 11 countries.
- Promoted large-scale deployment of modernized address validation service.

HP, Fort Collins, CO (1991 to 2015)

SENIOR R&D PROJECT MANAGER/MASTER EE/PROGRAM MANAGER

Several critical roles demonstrating exemplary technical dexterity and leadership in directing teams, systems, and architectures. Productization of leading innovations in HW, SW, and FW while deploying ecosystems that spanned IaaS, PaaS, and SaaS deployment strategies. Directed multiple teams across HP divisions enabling the successful launch of innovative and highly rewarding emerging market opportunities. Drove global strategies that exceeded market requirements.

- **Senior R&D Project Manager**, HP Fort Collins, Colorado. Led concurrent and far-reaching activities, including software engineering team leadership, cloud services, DevOps management, quality assurance oversight, and Agile-driven development. Navigated methodical construction and launch of *HP Connected Drive* enabling user data integration through personal applications within multiple social, mobile, and cloud-based platforms.
- **R&D Project Manager**, HP Fort Collins/San Diego. Managed printer tablet teams across geographies as project & program manager of HP Android and futures (WebOS) tablets.
- **R&D Master Electrical Engineer**, HP Fort Collins, Colorado. Grounds up development of HW/BIOS/drivers of 7 generations of HP *MediaSmart Server* and *MediaVault* products.
- **Blu-Ray Lead Technologist/IP Program Manager**, HP Loveland, Colorado. Drove global strategic relationships and innovations in Blu-Ray Disc and BD Live via BDA/TEG/MST leadership.
- **LightScribe R&D Project Manager**, HP Fort Collins/Corvallis. Critical role in leading local and remote team of 14 engineers spanning two locations in conceptualizing and developing HP's inaugural optical media print solutions and technology licensing programs.

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- **Senior Project Manager, IDEC Digital Entertainment Center**, HP Loveland/San Jose/Portland. Manifested confidence and skill in managing 15 direct reports and four geographically distributed teams, delivering HP's flagship Digital Entertainment Centers, DE100C & DE200C.
- **R&D Project Manager/EE Architect of HP e-Copier**, HP Greeley, Colorado. Fostered advanced imaging ASIC and EE teams in driving *cutting-edge* scanning and optical navigation solutions. Product innovations laid the technical groundwork for the highly successful optical mouse.

ADDITIONAL EXPERIENCE

ComByte ▪ Senior Electrical and ASIC Design Engineer, EE/FW/ASIC innovations in data storage

Colorado Memory Systems / Hewlett-Packard ▪ Lead Electrical Engineer, drive-training technologies

Apogee Robotics ▪ Project Manager & Senior EE, Award-winning robotic and automation designs

Education & Credentials

University of North Dakota – College of Engineering, Grand Forks, North Dakota

BACHELOR OF SCIENCE IN ELECTRICAL ENGINEERING

Patents

USPTO #10,102,213 ▪ System having an apparatus that uses a resource on an external device

USPTO # 9,497,483 ▪ Method for generating and decoding a coded picture signal

USPTO # 9,311,304 ▪ Storage subsystem data duplication policy

USPTO # 9,152,492 ▪ Performing recovery of a headless computer

USPTO # 9,063,941 ▪ System having an apparatus that uses a resource on an external device

USPTO # 8,578,091 ▪ Providing data redundancy using an internal and external mass storage device

USPTO # 8,554,995 ▪ Virtualized storage subsystem to mask redundancy complexity

USPTO # 8,085,948 ▪ Noise Reduction in a System

USPTO # 8,005,993 ▪ System and Method of a Storage Expansion for Network Attached Storage Device

USPTO # 7,933,172 ▪ Method for Playing Content Using Master and Slave Optical Discs

USPTO # 7,916,164 ▪ Labeling Methods and Apparatus Using Energy of Two Wavelengths

USPTO # 7,865,710 ▪ Software Recovery without the use of a Keyboard, Mouse, Trackball, or Monitor

USPTO # 7,822,997 ▪ Making a Storage Device Unusable until OS or System FW Recovery Invoked

USPTO # 7,814,246 ▪ Translation of Data Storage Redundancy Configuration and Host Interface Type

USPTO # 7,734,735 ▪ Automatic Configuration System and Method

USPTO # 6,970,811 ▪ Hardware Modeling of LED Relative Brightness

USPTO # 6,760,124 ▪ Software Determination of LED Brightness and Exposure

Select Publications

200603763 ▪ Miniature Projection User Interface for NAS Device

200905060 ▪ Home Server with Secure Memory Device for Locking Proprietary Software to Platform

200905032 ▪ Pivoting Apparatus for Optimizing Remote Power Transfer in Digital Picture Frame System

Tech Con 2007 ▪ Hardware Innovation in HP's New Home Storage Server Products