

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 driving business growth, conceptualizing forward-thinking technical solutions, and maximizing efficiency within complex design and manufacturing solutions. Adept with capacity planning, new product introduction, Internet of Things (IoT), and application development. Dedicated to excellence in cross-functional collaboration and team leadership. **Inventor of 17 US patents, five European patents, and author of 15 publications.**

Highlights of Expertise

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

Career Experience

Vergent Products Corp., Loveland, Colorado

Resumed executive strategies from prior tenure with recapitalization, reinvention, and a new, dynamic team.

CTO & VP OF ENGINEERING (2019 to Dec 2020)

Propose, refine, and execute innovative strategies with recapitalized and revitalized business. Navigate productization of several new technology spaces including Electrochemical Impedance Spectroscopy (EIS) and innovations in spatial light modulation. Drive innovation and secure strategic partnerships for new and vibrant business alliances.

- Tripled year-over-year revenue via strategic partnerships with vibrant 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, Colorado (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.

- 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.

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Vergent Products Corp., Loveland, Colorado

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

CTO & VP OF ENGINEERING (2017 to 2018)

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, Colorado (2016 to 2017)

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

SENIOR PRODUCT OWNER, COMMERCE BACK-END & GIFTS CATEGORY

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

- Interfaced with numerous web-based alliances in introducing **high-reliability SW cloud solutions to 11 countries**.
- Promoted large-scale deployment of **modernized address validation service**.

Ovantek, Loveland, Colorado (2009 to Present)

Secured and strengthened valuable partnerships and executed bold and pragmatic strategic planning, consulting, and product design.

PRESIDENT & CHIEF

Owned of all integral day-to-day operations, including sales and marketing, parts and labor, strategic planning and implementation, key business alliance forging and maintenance, and brand identity.

- End-to-end product development of **first-ever full 60GHz** wireless HDMI in United States.

HP Fort Collins, Fort Collins, Colorado (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 several 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.

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- **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.
- **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

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

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

Project Manager & Senior EE ▪ Apogee Robotics, Inc., 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