Paul Boerger

Loveland, Colorado 80537 ▪ paul.boerger@gmail.com
(M): 970.231.0441 ▪ (H): 970.744.5780
linkedin.com/in/paul-boerger ▪ paul-boerger.com

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
- Award-winning Products / Solutions
- Product Design and Development
- Domestic / International Professional Alliances
- Scaled Agile Framework (SAFe)

- Program Risks and Mitigation
- Product Lifecycle Management (PLM)
- Staff Review and Optimization
- Machine Learning / IoT / Artificial Intelligence
- Ambitious Project Deadlines

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 Present)

Propose, refine, and execute innovative strategies with recapitalized and revitalized business. Navigate productization of new technology spaces including Electrochemical Impedance Spectroscopy (EIS), spatial light modulation, and other *stealth* projects. Single point accountability for engineering deliverables and roadmaps.

- Tripled year-over-year revenue via strategic partnerships with vibrant new business alliances.
- Spearheaded massive infrastructure changes to enable product realization capabilities.
- Expanding strategic technology roadmaps for Vergent Products and subsidiaries.

Arrow Electronics, Loveland, Colorado
Excel in guiding diverse, vast, and geographically distributed teams in achieving and exceeding project objectives.

ENGINEERING MANAGER, GLOBAL IOT SOLUTIONS (2018 to 2019)

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.

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

SENIOR PRODUCT OWNER, COMMERCE BACK-END & GIFTS CATEGORY (2016 to 2017)

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
Secured and strengthened valuable partnerships and executed bold and pragmatic strategic planning.

PRESIDENT & CHIEF (2015 to 2016)

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 60GHz fully wireless HDMI in United States.**

HP Fort Collins, Fort Collins, Colorado **(2006 to 2015)**
*Played critical role in managing bottom-up software development for **HP Connected Drive solution**, inaugurating groundbreaking HP architecture and services, outlining global strategies, and exceeding market requirements.*

SENIOR R&D MANAGER (2012 to 2015)

Led concurrent and far-reaching activities, including software engineering team leadership, cloud service creation and introduction, DevOps management, quality assurance oversight, and Agile-driven ecosystem 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.**

ENGINEERING MANAGER, LEAD ARCHITECT (1991 to 2012)

Exhibited passion and intense interest in work, functioning as a genuine entrepreneur. Demonstrated exemplary technical dexterity and leadership in directing systems architecture, cloud-based applications and testing, product monetization, and business development and growth processes. Directed multiple teams across several HP divisions, enabling successful launch of innovative and highly rewarding emerging market opportunities.

- *R&D Master Electrical Engineer/Platform Scientist* (2006 to 2010), HP Fort Collins, Fort Collins, Colorado.
- **Blu-Ray Lead Technologist/IP Program Manager** (1998 to 2006), HP Loveland, Loveland, Colorado.
- *LightScribe:* Played 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 licensing programs.
- *iDEC Digital Entertainment Center & Services Portal*: Manifested confidence and skill in managing 14 direct reports and four geographically distributed teams, delivering HP's flagship Digital Entertainment Center.
- *e-Copier*: Fostered advanced imaging ASIC and EE teams in driving cutting-edge scanning solutions.

ADDITIONAL EXPERIENCE

Senior Electrical and ASIC Design Engineer ▪ ComByte Corporation

Lead Design Engineer ▪ Colorado Memory Systems (CMS) / Hewlett-Packard

Project Manager & Senior EE ▪ Apogee Robotics, Inc.

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*