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Summary

Software R&D Leader, Architect, and CTO Staff member brings the depth of 20+ years of industry experience across a broad spectrum of technologies from fault-tolerant web applications and cloud computing to microcontrollers and digital circuits.

Contributes to the success of organization by defining the future vision of the products for 1-5 years ahead aligned with business priorities and by driving the execution across various functions within the organization.

Evangelizes fundamental computing principles that are often overlooked behind numerous adaptation layers and frameworks.

Believes in the "working smart" strategy as key to delivering superior products on time, with quality, and within budget.

Expertise Areas

Engineering Leadership	Technology Areas	Software Product Lifecycle
Architecture Definition, Team Enablement, Productivity Multiplication, Cross-functional Collaboration, Technology Outlook, Executive Advisory	C/C++, Java Ecosystem, Python, C#, Linux, Solaris, RDBMS, Docker, Virtualization, Cloud, AWS, VMware, OSX, Windows, Ansible, RPM, Jenkins, Gradle, Make, Jira, DevOps, Security, Git, Subversion, CVS, Bash, IP Networks, Open Source, Telecommunications	Requirements, Architecture, DevOps, Design, Implementation, Build and SCM, Continuous Integration, QA, Delivery, Service, Security, Sustaining, Agile, Waterfall, Release Planning, Export Control, Third-party License Evaluation

Experience

10/2015—Present   **Principal Architect at the CTO Office of Viavi Solutions (former JDSU)**
Responsible for the road map, requirements, and architecture definition for the middleware layer of a distributed telecom solution. Working with a team of exceptional Engineers on design and implementation. Security Prime at the CTO Office.

03/2015—10/2015   **Principal DevOps Architect and Manager at Viavi Solutions (former JDSU)**
Defined and implemented a DevOps function for a complex telecom product developed by a geographically distributed team. Orchestrated release delivery to customers and internal teams. Established build, packaging, and deployment processes. Provided support function to the field teams to significantly reduce the average problem resolution time. Contributed to the Product

Architecture to devise future-proof and robust solutions. Managed a team of highly experienced and creative Engineers, who kept all these things moving forward.

01/2011—03/2015   **Principal Engineer at Tektronix Communications, a Danaher Company**
Provided critical solutions to support and expand accounts exceeding $100M annually. Devised innovative and robust solutions while maintaining focus on business requests and operational landscape. Managed expectations of external and internal customers. Mentored and lead teams around the globe.

08/2008—12/2010   **Software Engineer IV at Tektronix Communications, a Danaher Company**
Delivered a number of innovative solutions on an extremely aggressive schedule to save $30M annually. Dramatically improved product usability, performance, and robustness, which resulted in major gains in customer satisfaction level. Spearheaded a new customer-centric Fast Feature Development Team. Lead others by own example, openness, and efficient mentorship.

05/2000—07/2008   **Software Engineer I, II, and III at Tektronix (former Inet Technologies)**
Completed a large number of complex projects within market-leading monitoring solution for wireless and land-line networks. Built and refined an advanced skill set in C++, UNIX, Linux, Solaris, SPARC, x86, Java, scripting, build systems, GNU toolchain, Motif, middleware, computer networking, distributed systems, high concurrency, real-time systems, performance optimization, advanced debugging techniques, Oracle, MySQL, SQLite, Cognos OLAP, telecommunications protocols, and many other areas.

06/1997—12/1997   **Technical Support Engineer at Nevsky Link ISP**
Lead a 24/7 Customer Service and Technical Support Team.

09/1996—06/1997   **Programmer at Conversbank**
Developed automation software for daily banking operations. Provided IT services to multiple geographically distributed branches of the bank.

01/1994—08/1996   **Software Engineer at North-West Center for Information Technologies**
Supported deployment and maintained a large university campus LAN. Developed software for the internal needs of the organization.

01/1992—12/1993   **Lead Programmer at OPTOK**
Developed copyright protection software with hardware binding. Reverse-engineered and enhanced firmware for a custom Floppy Disk Controller for a PDP-11 computer.

Education
06/2005   **PhD in Electrical Engineering** from State Polytechnic University
12/1999   **MS in Electrical Engineering** from Texas Tech University
06/1997   **MS in Computer Science** from State Academy of Aerospace Instrumentation