

Jack F. Vogel

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Senior Software Engineer

New/Emerging Technology || Software Development Lifecycle (SDLC) || Cross-Functional Team Leadership

Seasoned Software Engineer with more than 20 years of demonstrated experience across diverse hardware and software development environments in the semiconductor and IT services industries. Expert in core kernel systems and network stack and drivers. Broad-based FreeBSD and Linux expertise. Adept at spearheading large-scale programs, streamlining processes, and developing innovative solutions for Fortune 500 employers and client companies based on next-generation technologies.

Track record of accomplishments across progressively responsible leadership roles; designing, developing, testing, troubleshooting, debugging, and implementing various critical decision-making applications. Collaborating with C-suite executives and key stakeholders to ensure optimized ROI, and efficiently resolve enterprise-wide system issues.

CORE COMPETENCIES

Strategic Planning & Execution || Process Reengineering Initiatives || Systems Design/Development || Quality Assurance
Product Development || Software Debugging Techniques || Project Management || Cross-Functional team Leadership
Client Needs Fulfillment || Software Development Life Cycle || Software Automation || Emerging Technologies

Technical Summary: C, C++, JAVA, Assembler, Networking, TCP/IP, Drivers, Virtualization, SRIOV, Kernel, Device Drivers, UNIX, Linux, FreeBSD, BSD, Solaris, SunOS, AIX, VMware, KVM

PROFESSIONAL EXPERIENCE

- CISCO SYSTEMS INC., Beaverton, OR 06/2016–10/2016
Contract Software Engineer
- Linux development – Implement new virtualization-based security product.
 - Working with KVM and Xen hypervisors, focus on memory management in KVM.
 - Part of a small team doing research, planning, development, and testing.
 - Development is multi-language, using C, C++, Go, Python, and Perl
- BROADCOM CORPORATION, Irvine, CA 08/2015–06/2016
Contract Software Engineer
- Linux development – add support to the new NetXtreme-C driver for RedHat RHEL5 and RHEL6 kernels.
 - Investigate and resolve any defects logged against the new driver by QA/Test group.
 - Develop a new functioning FreeBSD driver for the NetXtreme-C hardware.
- INTEL CORPORATION, Hillsboro, OR 01/2005–07/2015
Network Software Engineer, Jones Farm Campus
- Developer of all Intel Network drivers for FreeBSD, including 1G, 10G, and 40G. Both physical and virtualized drivers for hardware. Built highly scalable and reliable applications used in mission-critical enterprise applications.
 - Served as Team Lead for FreeBSD: team consisted of 2 developers and 3 validation engineers. Oversaw schedule and tasks.
 - Collaborated with technical experts as FreeBSD community source committer to design new features and functionality.
 - Provided expert customer support as technical advisor for FreeBSD. Leveraged 3rd party tools to speed delivery.
- IBM LINUX TECHNOLOGY CENTER, Beaverton OR 01/2001–01/2005
Advisory Software Engineer
- Lead for new NUMA system project; managed and implemented Kernel locking and scheduler investigation.
 - Linux developer for IBM X series servers. System support software. Distro and community bug fixing on server hardware.
 - Streamlined complex processes for RedHat and SuSE system integrity test and verification.
 - Developed loadable version of kernel debugger for SuSE Linux.
- INTEL CORPORATION 01/1999–01/2001
Senior Software Engineer, Enterprise Server Group
- Solaris developer; worked with Sun on bringup of Solaris on Itanium processor.
 - Software architect in OS support group and developed prototype IPMI driver and app for new server.

- Supported various customer user and network level requirements for Linux kernel bug fixing on new hardware.

SUN MICROSYSTEMS, Palo Alto, CA

01/1991–01/1999

Software Engineer

- Lead Sustaining Engineer for SunOS—managed final release of OS. Bug fixes, supported network event triage, and monitored, tracked, led event characterization and escalation issues as needed for event resolution.
- Led Joint project with Intel to bring up Solaris on new Itanium processor. Responsible for a number of assembler kernel routines being ported to the architecture. Key Solaris Development Engineer on a variety of projects.
- Joint development of Enterprise print system together with DEC and Xerox.

EDUCATION

UNIVERSITY OF NOTRE DAME, South Bend, IN, **Master of Arts in Philosophy**

FULLER THEOLOGICAL SEMINARY, Pasadena, CA, **Master of Arts in Ancient Language and Literature**

CALIFORNIA STATE UNIVERSITY LONG BEACH, Long Beach, CA, **Bachelor of Arts in Philosophy**