Donald Krause

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SUMMARY

I am a **Software Engineering Executive** who forms highly motivated teams that are excited about their work and proud of their accomplishments. I lead these teams to deliver software that exceeds customer expectations in both functionality and quality in the face of conflicting priorities and demands. I contribute to deep technical product architecture, design and implementation discussions. I am adaptable and flexible, balancing strategy with tactics. Key skills include:

• Distributed Team/Offshore Management	• Customer Interface	• Process Improvement
• Quality	• Networking	• Virtualization
• Security		

PROFESSIONAL EXPERIENCE

WIND RIVER SYSTEMS, Alameda, CA   **2005-2012**

Vice President, Certified Platforms Engineering   **2008-2012**

Directed team of over 80 people in the development of operating systems and hypervisors targeting safety and security applications. Responsible for teams supporting engineering operations functions of build and release, development tools, Intellectual Property, and lab infrastructure.

- In a constantly changing environment I planned and executed to schedules and budget, both of which were consistently achieved.

- Invoked organizational change through implementing process improvement programs moving a 350 person engineering organization. Five CMMI process areas were successfully assessed at Capability Level 3.Users who were initially skeptical of process change strongly supported the change once implemented.

- Delivered Hypervisor to be used as a Multiple Independent Levels of Security (MILS) separation kernel suitable for high security applications. Coordinated multiple internal engineering organizations, a university research team and a national government agency to collaborate on the MILS product. The hypervisor virtualizes guest operating systems such as Linux, VxWorks and Windows, to run high security applications.

- Delivered operating system certifiable to DO-178B DAL-A for safety applications. This product has been safety certified as part of the Boeing 787 in addition to other commercial aircraft and components. The ARINC 653 operating system is a Type 2 Hypervisor that virtualizes VxWorks hosting safe applications.

- Collaborated with large customers to define product requirements. Presented product capabilities and options to customers. Worked with customers to establish delivery schedules. Met these delivery schedules fulfilling the requirements resulting in customer's ability to meet obligations to their customers.

VP/Sr. Director/Director, Quality and Outsourcing   **2005-2008**

Drove quality system improvements, internal processes and program quality analysis for all engineering programs at Wind River. Managed VxWorks System Test function. Managed interface to offshore engineering staff of 70+ engineers testing operating system products.

- Implemented process improvement programs that increased the use of dashboards and metrics to track the predictability and reliability of VxWorks releases. Over the course of three years, all releases were on-time, with predicted high quality.

- Managed outsourcing relationship with Wipro Technologies in India resulting in high quality on schedule deliveries from Wipro, and effective communication between the geographically dispersed organizations.

LUCENT TECHNOLOGIES/ASCEND COMMUNICATIONS, Alameda, CA   **1999-2005**

Director/Manager, Engineering

Led engineering team developing Media Gateway Protocols for the Ascend Remote Access product line.

- Determined and met budget and release constraints resulting in on-time, on-budget deliveries to customers.

- Worked cross-functionally with Product Management, Hardware Engineering and QA to plan and deliver product requirements to customers. Regularly met customer needs with on time high quality output.

- Achieved product roadmap commitments at reduced cost using offshore resources and third-party product integration.

- Defined requirements for proprietary OS in conjunction with Product Management and Customers. Developed these requirements for the Ascend/Lucent Remote Access product line to support features such as OSPF, ISDN, PPP, TCP/UDP/IP, RADIUS and NAT. Supported resolution of CERT security alerts.

- Delivered support for IPDC and H.248, SIGTRAN SCTP and M2UA protocols for SS7 and voice signaling transport over IP networks. Delivered support for voice CODECs such as G.711, G.729, and G.728. Provided methods to handle isochronous network traffic and optimized network interfaces to handle wire-speed VoIP traffic.

ADDITIONAL RELEVANT EXPERIENCE

- Numerous software development and management roles for real-time hardware platforms.

- Past President (3 years) and Vice President (5 years) of Alameda Island Aquatics, a non-profit USA Swimming team. Coordinated large group of volunteers to develop AIA into one of the most financially secure teams in the Bay Area.

PATENTS

Awarded two patents in telecommunications, filed a third.

EDUCATION

BA, Computer Science, University of California, Berkeley