Jacob Calvert

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[LinkedIn](#) | [Website](#)

Professional Summary

Innovative solutions architect with extensive experience in aerospace, defense, and telecommunications industries. Adept at transforming complex challenges into structured, scalable solutions that drive efficiency and innovation. Proven track record in leading productization efforts, including the successful commercialization of a startup product. Skilled in solution architecture, technical leadership, and client engagement, ensuring long-term success in high-stakes environments.

Work Experience

Principal Engineer

Dark Sky Technology – Huntsville, AL | **January 2023 – Present**

- Lead the development and strategic direction of **Bulletproof Trust**, ensuring technical excellence and product growth.
- Redesigned a data-intensive system to scale efficiently, supporting hundreds of thousands of software packages, millions of contributors, and multi-million data points.
- Designed and deployed a repeatable, on-premises deployment model for **Bulletproof Trust**, enhancing scalability and reliability.

Sr. Field Application Engineer

Wind River Systems – Huntsville, AL | **April 2018 – December 2022**

- Managed all technical aspects for multiple customer accounts, ensuring seamless integration and ongoing support.
- Served as the primary technical point of contact, fostering strong client relationships and trust.
- Architected tailored solutions to meet both current and future customer needs, driving long-term success.
- Developed and presented technical content at trade shows and seminars to showcase company expertise and innovation.

Software Engineer

Abaco Systems, Inc – Huntsville, AL | **June 2016 – April 2018**

- Enhanced the IPMC offering to provide more robust and maintainable long-life product support.
- Assisted in the adoption of Scrum methodology while ensuring compliance with AS9100C/D standards.
- Served as ScrumMaster for the BIOS and Firmware team, facilitating Agile workflows and team collaboration.
- Designed and implemented VxWorks board support packages for Intel 32-bit and 64-bit single-board computers.
- Established a Jenkins CI system in the Huntsville office for VxWorks development and testing.
- Diagnosed and resolved customer issues in VxWorks and Linux drivers for XMC/PMC add-on equipment.

Software Engineer

Textron Systems, Unmanned Systems – Huntsville, AL | **June 2015 – August 2015**

- Designed and implemented new services for a service-oriented architecture in Java.
- Developed and integrated new features within existing applications using Java.
- Collaborated in Agile development processes, including daily scrums and weekly planning meetings.
- Engaged with clients through regular meetings and demonstrations to ensure alignment with project goals.

Skills

Technical Skills

- **Programming:** Rust, C, C++, Python, Java
- **Operating Systems:** Linux, VxWorks, Hypervisors
- **Development Tools:** GitLab, GitHub, Jenkins, CI/CD
- **Architecture & Design:** Scalable Systems, Database Systems, Distributed Architectures, Cloud-Native Services
- **Other:** AWS Architectures, Embedded Systems, Firmware

Soft Skills

- Solution Architecture
- Client & Stakeholder Management
- Roadmap Planning & Execution
- Technical Leadership

Certifications

- **FCC Licensed Amateur Extra**

Education

Bachelor of Science in Computer Engineering & Mathematics
University of Alabama – Tuscaloosa, AL | **May 2016**