

Jacob Calvert

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PROFESSIONAL SUMMARY

Principal engineer and solutions architect with experience in aerospace, defense, and telecommunications. Leads scalable system design, product development, and client engagement, with experience commercializing a startup product. Combines solution architecture and technical leadership to turn complex requirements into deployable systems.

WORK EXPERIENCE

Dark Sky Technology | January 2023 – Present

Principal Engineer

- Lead development and strategic direction for Bulletproof Trust, guiding technical quality and product growth.
- Redesigned a data-intensive system to support hundreds of thousands of software packages, millions of contributors, and billions of data points.
- Designed and deployed a repeatable on-premises deployment model for Bulletproof Trust to improve scalability and reliability.

Wind River Systems | April 2018 – December 2022

Senior Field Application Engineer

- Managed technical requirements, integration, and ongoing support for multiple customer accounts.
- Served as the primary technical point of contact and maintained customer relationships.
- Architected solutions to meet customers' current and future needs.
- Developed and presented technical content at trade shows and seminars.

Abaco Systems, Inc | June 2016 – April 2018

Software Engineer

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

Textron Systems, Unmanned Systems | June 2015 – August 2015

Software Engineer

- Designed and implemented Java services for a service-oriented architecture.
- Developed and integrated new features into existing Java applications.
- Participated in daily scrums and weekly planning meetings.
- Worked with clients through regular meetings and demonstrations to align development with project goals.

EDUCATION

The University of Alabama – Tuscaloosa, Alabama

- Bachelor of Science in Computer Engineering and Mathematics, May 2016

TECHNICAL QUALIFICATIONS

Programming Languages

- Rust, C, C++, Python, Java, Typescript

Systems and Development Tools

- Linux, VxWorks, hypervisors, GitLab, GitHub, Jenkins, CI/CD

Architecture and Design

- Scalable systems, database systems, distributed architectures, cloud-native services, AWS architectures, embedded systems, firmware

KEY COMPETENCIES

- Solution architecture and technical leadership
- Client and stakeholder management
- Roadmap planning and execution

CERTIFICATIONS

- FCC Amateur Radio License – Amateur Extra Class