# Christian Sean Bulloss

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## Summary

Hands-on Engineering Manager with 8 years building platforms in regulated domains (aviation, finance, government). I architect scalable systems, grow engineers, and drive reliability through SLOs and blameless incident response. Track record delivering high availability, mission-critical applications to 200K+ users.

## Technical Skills

**Primary:** Java (Spring Boot), React, TypeScript, AWS (CDK, ECS/Fargate, RDS)

**Supporting:** .NET, Node.js, Python, GCP, Docker, CI/CD, Redis, DataDog

## Education

**Virginia Tech**                                                    May 2014
B.S. Business Information Technology – Decision Support Systems

## Work History

**ForeFlight**
**Engineering Manager**
Feb 2025 - Present
Austin, TX (Remote)

*Leading engineering excellence across diverse aviation applications serving general aviation community*

- Direct 8-person engineering team responsible for mission-critical aviation applications including flight logging, checklists, airport pricing, pilot community features, and more
- Drive individual career development: grew junior engineers to strong midlevels, enabled peer mentorship programs, and delegated project planning to build leadership capabilities
- Orchestrate cross-functional collaboration with Product Management, Mobile Engineering, and peer teams spanning 10+ engineers, ensuring seamless technical integration and aligned product roadmaps
- Define and maintain SLOs across 8 microservices, maintaining 99.99% platform uptime for 200K+ monthly users
- Lead incident response and blameless postmortems; deliver root cause analysis and systemic remediation to prevent recurrence

- Implement comprehensive observability using DataDog for distributed tracing, alerting, and performance monitoring across microservices architecture
- Drove AI tooling adoption across team, addressing initial resistance through hands-on workflow demonstrations; collaborated with engineering leaders across the company to share effective practices
- Built engineering metrics dashboard integrating GitHub and Jira APIs to surface contribution patterns, PR cycle times, and sprint velocity; enabling data-informed 1:1s and identifying coaching opportunities before they became performance issues.

## ForeFlight

**Software Engineer**

Sep 2022 - Feb 2025
Austin, TX (Remote)

*Full-stack aviation platform development (Promoted to Senior Software Engineer January 2024)*

- Architected flight logging platform serving 200K+ monthly users with regulatory compliance reporting for FAA, EASA, and Transport Canada certification requirements
- Built scalable analytics engine processing flight entries for real-time currency tracking, route analysis, and aviation training progress monitoring
- Engineered full-stack architecture with React frontend, Express middleware, and Spring Boot backend using reactive programming for high-volume data processing
- Modernized infrastructure from EC2/CloudFormation to Fargate/CDK, implementing automated deployment pipelines, on-call operations, and cloud-native architecture patterns
- Grew development team from individual contributor to managing 4 full-stack developers, establishing mentorship practices and collaborative workflows
- Participated in on-call rotation and incident response; developed skills in rapid triage and cross-team coordination that later informed management approach

## TigerRisk Partners, LLC

**Application Developer / QA Automation Engineer**

Oct 2020 - Sep 2022
Remote

*Full-stack development and quality assurance for insurance technology solutions*

- Delivered enterprise insurance applications using .NET stack (C#, ASP.NET Core, Angular, TypeScript) while contributing to agile planning and user story implementation
- Modernized legacy web API from .NET Framework to .NET 6, improving performance and maintainability across insurance analytics platform
- Established comprehensive testing framework combining automated UI testing (Cypress) with API validation, integrating security scanning into CI/CD pipeline
- Served as Scrum Master for cross-functional team, facilitating agile ceremonies and removing development blockers while maintaining development responsibilities

## Ipreo US, LLC (Now part of S&P Global)

**Software Engineer, QA Engineer**

May 2016 - July 2017
Raleigh, NC

*Financial technology development with emphasis on automated testing innovation*

- ▸ Built full-stack financial applications while pioneering test automation improvements including randomized data generation and page object model implementation
- ▸ Balanced development responsibilities with comprehensive quality assurance, creating systematic approaches to requirements analysis and test documentation

### Harmonia Holdings Group, LLC

**Software Engineer**
Oct 2014 - May 2016
Blacksburg, VA

*Government contracting software development emphasizing process excellence*

- ▸ Delivered mission-critical software solutions in highly regulated environment, mastering rigorous documentation standards and compliance requirements
- ▸ Innovated automated testing approaches by independently developing REST API test harness, improving testing efficiency and reliability

## Additional Experiences

### Law Enforcement & Public Safety
Police Officer / Public Safety Officer

Aug '17 - Oct '20

### Blacksburg Volunteer Rescue Squad
2nd Lt. IT / Volunteer EMT — Directed IT strategy, incident command, 8,000+ volunteer hours

Feb '11 - Jun '16

Instrument Rated Private Pilot

Boy Scouts of America: Eagle Scout