BRUCE TRUONG

Site Reliability Engineer | DevOps Engineer | Infrastructure Automation Specialist

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PROFESSIONAL SUMMARY

Experienced Site Reliability Engineer specializing in observability platforms, cross-team collaboration, and automated remediation systems for large-scale distributed environments. Successfully architected and executed critical MongoDB migration of 60+ billion documents to production, demonstrating expertise in system reliability and service performance optimization.

Proven track record building monitoring solutions, implementing infrastructure as code, and partnering with development teams to ensure SLA compliance. Combines strong technical foundation with hands-on experience in container orchestration, API development, and incident response procedures.

Core Competencies: Observability Platforms • Cross-Team Collaboration • Automated Remediation • SLA Management • Container Orchestration • RESTful APIs • Incident Response • Service Reliability

TECHNICAL SKILLS

Languages: Go, Python, Bash/Shell, SQL, TypeScript, C++, C, Rust

Cloud & Infrastructure: Google Cloud Platform, Kubernetes, Docker, Terraform, Infrastructure as Code, Helm, GitOps, CI/CD Pipelines

Databases & Monitoring: MongoDB, PostgreSQL, Apache Cassandra, DataDog, Observability Platforms, RESTful APIs, Web Applications, Performance Monitoring

Specializations: Site Reliability Engineering, DevOps, Microservices Architecture, High Availability Systems, Disaster Recovery, Incident Response, Automation, Load Balancing, Scalability, System Performance Optimization

PROFESSIONAL EXPERIENCE

Site Reliability Engineer   *Jan 2024 – Present*

• Deployed and maintained observability platform using DataDog, establishing 15+ custom dashboards and automated alerts that reduced mean time to detection (MTTD) by 40% and enabled rapid error detection across distributed microservices architecture

• Partnered across development, operations, and QA teams to architect and execute critical MongoDB migration of 60+ billion documents, ensuring service reliability and scalability while maintaining 99.9% SLA compliance

• Developed automated remediation systems using Python and Bash scripting, creating monitoring and analysis tools that improved system performance by 20% and reduced manual intervention

• Provided guidance to 8+ engineers and developers on reliability best practices, implementing standardized troubleshooting procedures and incident response protocols

• Participated in on-call rotations for mission-critical financial services infrastructure handling 1M+ daily transactions with zero data loss record

Software Engineer Intern
Jul 2023 – Dec 2023

• Delivered high-quality software solutions in dual Developer/QA role, executing comprehensive testing strategies that reduced production bugs by 25% and accelerated release cycles

• Engineered database solutions using SQL Server Management Studio (SSMS) and T-SQL, optimizing query performance by 40% and developing 10+ custom forms using C# and VB.NET

• Streamlined development workflows using Azure DevOps, implementing CI/CD pipelines and Git version control that improved team productivity by 30%

Computer Science Co-Tutoring Coordinator
Jun 2022 – Dec 2022

• Mentored 50+ computer science students in algorithms, data structures, and programming fundamentals, improving student success rates by 25% through personalized debugging and code review sessions

Supply Coordinating Manager
Nov 2021 – Jun 2022

• Automated data analysis workflows using SQL and custom scripts, streamlining regulatory compliance processes and reducing manual reporting time by 50%

Technology Coordinator & Curriculum Developer
Sep 2018 – Jan 2022

• Architected and implemented comprehensive coding curriculum for 200+ students across K-8 grades, introducing Python programming and web development fundamentals

EDUCATION

Portland State University
Expected 2025

Bachelor of Science in Computer Science

Focus: Data Structures, Algorithms, and Systems Programming

Portland Community College
2020

Associate of Science Transfer Degree

PROFESSIONAL DEVELOPMENT

Currently Pursuing: Google Cloud Professional DevOps Engineer, Certified Kubernetes Administrator (CKA), AWS Solutions Architect Associate

Completed Training: Site Reliability Engineering Fundamentals, Infrastructure as Code with Terraform, Kubernetes Production Best Practices