BRUCE TRUONG

Site Reliability Engineer

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PROFESSIONAL SUMMARY

Site Reliability Engineer with 2+ years of experience specializing in observability platforms, cross-team collaboration, and automated systems for large-scale distributed environments. Expert in deploying and maintaining monitoring solutions using DataDog, developing Python and Bash automation scripts, and ensuring 99.9% SLA compliance. Proven track record architecting critical MongoDB migrations (60B+ documents), implementing containerized solutions with Kubernetes, and building RESTful APIs for financial services platforms.

TECHNICAL SKILLS

Languages & Scripting: Python, Bash/Shell, Go, SQL, TypeScript

Observability & Monitoring: DataDog, Performance Monitoring, SLA Management, Incident Response, Automated Remediation

Container & Orchestration: Docker, Kubernetes, Microservices Architecture, Distributed Systems

Infrastructure & DevOps: GCP, Terraform, Infrastructure as Code, Helm, GitOps, CI/CD Pipelines, GitHub Actions

Databases & APIs: MongoDB (Atlas Migration), PostgreSQL, Kafka, RabbitMQ, IBM MQ, RESTful APIs, Web Applications

PROFESSIONAL EXPERIENCE

Site Reliability Engineer

Apex Fintech Solutions | Remote/Portland, OR   *Jan 2024 - Present*

- Developed Python and Bash automation scripts for critical MongoDB migration from on-premises to Atlas cloud, successfully transferring 60B+ documents with zero data loss
- Deployed and maintained DataDog observability platform with 15+ custom dashboards and automated alerts, improving MTTD by 40% and reducing manual intervention by 30% through automated remediation development
- Partnered across development, operations, and QA teams to ensure service reliability, maintaining 99.9% SLA compliance through comprehensive monitoring and proactive incident response
- Collaborated with Charles Schwab and DTCC to architect secure RESTful API integrations for Ascend SaaS platform, ensuring reliable connectivity for financial services operations
- Participated in on-call rotations for mission-critical infrastructure handling 1M+ daily transactions, leading restoration of service-impacting issues while maintaining system reliability

Software Engineer Intern

Trimble | Portland, OR   *Jul 2023 - Dec 2023*

- Delivered high-quality software solutions in dual Developer/QA role, implementing automated testing frameworks that improved code quality and reduced production incidents by 30%
- Engineered database solutions using SQL Server and T-SQL, optimizing query performance for enterprise applications while developing custom forms using C# and VB.NET
- Streamlined development workflows using Azure DevOps CI/CD pipelines, improving team productivity and reducing deployment errors by 25%

Computer Science Co-Tutoring Coordinator

Portland State University | Portland, OR   *Jun 2022 - Dec 2023*

- Mentored 50+ students in algorithms, data structures, and programming fundamentals through debugging and code review sessions across Python, Java, and C++

- Diagnosed and resolved complex technical issues including compiler errors, runtime bugs, and performance bottlenecks
- Enhanced cross-functional collaboration by translating complex algorithmic concepts into accessible explanations

Supply Coordinating Manager

Precision Castparts Corporation | Portland, OR   *Nov 2021 - Jun 2022*

- Automated data analysis workflows using SQL and custom scripts, streamlining regulatory compliance and reducing manual reporting time by 60%
- Led cross-functional facility improvement projects with $500k+ budgets, coordinating between engineering, operations, and compliance teams
- Developed training programs for database software and operational procedures, improving team efficiency

Technology Coordinator & Curriculum Developer

Holy Trinity Catholic School | Beaverton, OR   *Sep 2018 - Jan 2022*

- Architected comprehensive Python coding curriculum for 200+ students across K-8 grades
- Led technology infrastructure modernization, managing hardware procurement and system administration while reducing support tickets by 45%
- Optimized institutional technology stack, improving system reliability while reducing operational costs by 30%

EDUCATION

Bachelor of Science in Computer Science (Minor: Philosophy)

Portland State University | Portland, OR   *Jan 2015 - Jun 2024*

- Relevant Coursework: C++, C, Rust Programming, Distributed Systems, Web Applications

Capstone Project: Bike Index Platform Team Lead

- Led 5+ developers implementing microservices architecture with RESTful APIs and containerized deployment
- Delivered bi-weekly sprints using Scrum methodology while ensuring system reliability
- GitHub: https://github.com/impeccKable/bike-index-platform

Featured in Bike Index article: "New Tool in the Fight Against Bike Crimes"

Associate of Science – Oregon Transfer

Portland Community College | Portland, OR   *Jan 2008 - Mar 2023*

KEY ACHIEVEMENTS & PROJECTS

- MongoDB Atlas Cloud Migration: Architected and executed production migration of 60B+ documents with automated validation, rollback procedures, and zero downtime
- Observability Platform Implementation: Built comprehensive DataDog monitoring solution reducing MTTD by 40% through custom dashboards and automated alert systems
- Financial Services API Integration: Designed secure, scalable RESTful API integrations with major financial institutions ensuring high availability and SLA compliance
- Container Orchestration: Implemented Kubernetes-based microservices architecture improving deployment efficiency and system scalability
- Personal Infrastructure: Built portfolio with CI/CD pipeline (GitHub Actions), achieving <800ms load times and 99.9% uptime through static generation and CDN distribution