ELIOT PITMAN

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SOFTWARE ENGINEER

Results-driven Software Engineer with 4+ years of experience building and maintaining enterprise-scale developer platforms and cloud infrastructure. Proven track record in platform engineering, site reliability, and leading cross-functional teams to deliver self-service solutions that enhance developer productivity. Specializes in Kubernetes orchestration, CI/CD automation, and cloud-native application development.

TECHNICAL SKILLS

<u>Languages & Frameworks</u>: TypeScript, JavaScript, Python, Ruby, Rails, React.js, Vue.js, Express

<u>Cloud & Infrastructure</u>: AWS (RDS, S3, IAM), Kubernetes, Docker, Helm, ArgoCD, Crossplane, Kyverno

<u>DevOps & CI/CD</u>: Jenkins, Harness, GitHub Actions, Infrastructure as Code (IaC)

<u>Observability & Monitoring</u>: Dynatrace, Site Reliability Engineering (SRE) practices

<u>Databases</u>: PostgreSQL, AWS RDS

<u>Developer Tools</u>: Git, GitHub, Backstage, AI-assisted development (GitHub Copilot, MCP)

<u>Practices</u>: Microservices Architecture, RESTful APIs, Unit Testing, Pair Programming, Agile/Scrum

PROFESSIONAL EXPERIENCE

Booz Allen Hamilton | Software Engineer August 2022 - Present

<u>Developer Platform Engineering</u>

Architected and maintained an enterprise developer portal serving multiple development teams, managing day-to-day operations with Kubernetes orchestration and ArgoCD deployment strategies

Engineered self-service platform capabilities enabling automated application provisioning, deployment pipelines, and infrastructure management, reducing onboarding time for new applications

Developed Infrastructure as Code (IaC) solutions using Crossplane to automate platform resource provisioning, integrated with Kyverno policy enforcement and RBAC for secure, compliant deployments

Built and maintained CI/CD pipelines in Jenkins and Harness, implementing health checks and automated updates to ensure pipeline reliability

Created custom Helm charts for standardized Kubernetes deployments, establishing deployment best practices across the organization

<u>Full-Stack Development</u>

Developed frontend features using TypeScript and React with comprehensive unit test coverage and adherence to design system standards

Designed and implemented backend services with RESTful APIs, authentication middleware, and integration with external services including GitHub, Jira, and Slack APIs

Built and maintained PostgreSQL databases in AWS RDS, designing schema updates and migrations to support new plugin architectures

<u>AI & Innovation</u>

Pioneered integration of AI-assisted development tools into the platform, implementing Model Context Protocol (MCP) and establishing best practices for context-aware LLM usage

Developed an innovative developer portal feature integrating GitHub Copilot for automated application updates and Backstage TechDocs generation, improving documentation quality and consistency

<u>Site Reliability & Observability</u>

Implemented comprehensive monitoring solutions using Dynatrace, writing and maintaining synthetic tests and SLO dashboards to ensure platform health

Established SRE practices including incident response procedures, post-mortem analysis, and reliability metrics tracking

<u>Cloud Infrastructure & Security</u>

Managed AWS cloud resources including RDS databases, S3 buckets, and IAM policies, executing database migrations and optimizing cloud infrastructure costs

Implemented security best practices for cloud resource management and access control

<u>Technical Leadership</u>

Served as Technical Lead for the platform portal team (1 year), managing 2-4 developers and providing technical direction aligned with client objectives

Led multiple quarter-long initiatives requiring cross-team collaboration, coordinating with stakeholders across engineering, security, and operations teams

Mentored junior developers for one year at Develop Carolina on technical assignment, development best practices, and platform engineering principles

EDUCATION & TRAINING

Develop Carolina | Software Engineer Apprentice August – December 2022

Intensive 6-month cohort program with workshops and one-on-one mentorship from industry professionals

Curriculum: Product Lifecycle, DevOps Tooling, Automated Testing, Clean Code, Infrastructure, Security, Monitoring, Operations, and System Architecture

Actualize Coding Bootcamp | Certificate in Full-Stack Web Development January – May 2022

Comprehensive training in full-stack development covering project architecture, backend/frontend development, and self-directed learning strategies

Hands-on experience with RESTful API design, database integration, and modern web development frameworks

College of the Ozarks | Bachelor of Science in History Graduated December 2020 | GPA: 3.8/4.0