# Site Reliability Engineer (SRE) / DevOps Engineer

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## SUMMARY

Dedicated SRE and DevOps Engineer with a proven track record in architecting high-availability, cloud-native distributed systems on AWS and GCP. Expert in Kubernetes, Infrastructure as Code (Terraform), and CI/CD automation, focused on maximizing system reliability and scalability through data-driven SLO/SLI strategies and proactive observability.

## CORE SKILLS

**Cloud & Infrastructure:** AWS (Lambda, API Gateway, EC2, IAM), Google Cloud (GKE, Cloud Run), Kubernetes, Docker, Proxmox, Cloudflare Workers

**Programming Languages:** Go, Python, JavaScript, TypeScript, PHP, Bash, SQL

**SRE & DevOps Tools:** Terraform, Ansible, GitHub Actions, Prometheus, Grafana, NGINX, HAProxy, SLO/SLI Design, Incident Response

**Databases & Networking:** MySQL (GTID Replication), PostgreSQL, MongoDB, Kafka, WireGuard, OAuth 2.0, TLS/SSL

## EXPERIENCE

### SRE / Full Stack Engineer

- Architected and scaled serverless backend services using AWS Lambda and API Gateway, supporting 100+ clients with 99.9% uptime.
- Automated end-to-end deployment pipelines using Docker and Cloudflare, reducing deployment lead time by 40%.
- Streamlined business operations by engineering event-driven notification workflows, increasing client engagement efficiency.
- Secured cloud infrastructure by implementing least-privilege IAM policies and encrypted communication channels.
- Optimized system performance through proactive monitoring and rapid incident response, maintaining high service availability.
- Led full SDLC for high-traffic dashboards, ensuring fault tolerance and seamless user experience under variable loads.

**Tech Stack:** AWS (Lambda, API Gateway, IAM), Node.js, React, PHP, MySQL, Docker, Cloudflare, Linux

## Full Stack Developer

- Engineered robust REST APIs using Node.js and TypeScript, improving data processing speeds for tax workflows by 25%.
- Modernized legacy client management tools into React-based microservices, enhancing system modularity and maintainability.
- Stabilized production environments during peak tax seasons by implementing comprehensive observability with AWS CloudWatch.
- Integrated CI/CD automation to reduce manual release errors, ensuring consistent delivery across staging and production.
- Resolved critical production incidents, conducting post-mortems to eliminate recurring bottlenecks in document processing.

**Tech Stack:** React, Node.js, TypeScript, PostgreSQL, MongoDB, AWS, REST APIs

# PROJECTS (SRE / DISTRIBUTED SYSTEMS)

## Hybrid Cloud Reliability Platform

- Provisioned a hybrid cloud environment across GCP and Proxmox using Terraform to simulate complex enterprise topologies.
- Configured high-availability MySQL clusters with GTID-based replication and HAProxy failover, achieving zero-downtime database migrations.
- Established full-stack observability with Prometheus and Grafana, identifying and mitigating performance regressions.
- Decoupled critical services using Kafka, enhancing system resilience against message bursts and transient failures.
- Executed chaos engineering experiments to validate disaster recovery RTO/RPO objectives.

## Edge Orchestration Platform

- Orchestrated a distributed edge network using WireGuard VPN to secure inter-node communication across heterogeneous hardware.
- Automated node provisioning and configuration management with Ansible, reducing setup time for new edge nodes by 70%.
- Automated deployment workflows using GitHub Actions and shell-based orchestration

## Cloudflare Serverless SaaS Platform

- Developed a high-concurrency SaaS backend on Cloudflare Workers, leveraging Edge Computing to achieve sub-50ms latency.

- Implemented globally distributed KV storage for stateless session management, eliminating regional database bottlenecks.
- Implemented authentication, API gateway, and rate limiting mechanisms
- Integrated external APIs and billing systems for SaaS functionality

## High-Performance Backend Systems

- Built performant Go microservices utilizing concurrent processing to handle intensive cryptographic operations efficiently.
- Hardened API security by implementing OAuth 2.0 PKCE and JWT-based authorization for multi-tenant environments.
- Containerized services using Docker behind NGINX reverse proxy
- Optimized API performance and throughput under load testing conditions

# EDUCATION

MBA
Postgraduate Diploma — Web Development
Full-Stack Web Development Bootcamp