

JEREMY SPOFFORD

Senior DevOps Engineer

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PROFESSIONAL SUMMARY

Senior DevOps Engineer with 10 years across systems, software, and infrastructure engineering, including four years architecting AWS and GCP environments for client engagements. Builds cloud platforms from scratch with Terraform and Terragrunt, CI/CD guardrails that keep broken code out of production, and observability and cost controls that keep environments stable and spend in check.

EXPERIENCE

Senior DevOps Engineer | VividCloud

Sep 2022 – Present

Architecting cloud infrastructure across AWS and GCP client engagements — building environments from scratch with infrastructure-as-code end to end.

- **Cloud cost optimization:** Cut monthly infrastructure spend 30% via Cloud Run scale-to-zero for non-production, shared review-app infrastructure replacing per-MR full stacks, and removal of redundant container builds.
- **Multi-account AWS with Terragrunt:** Built and maintain Terragrunt across five environments with shared baseline modules and per-environment overrides, with terraform-docs in CI keeping module documentation in sync with the HCL source.
- **Infrastructure-as-code migrations:** Migrated a live four-environment AWS application from CDK to Terragrunt/OpenTofu, importing existing resources rather than recreating them; brought a hand-built serverless production stack (about 50 Lambda functions, API Gateway, RDS, CloudFront, WAF) under Terraform and cut it over to a new, hardened production environment.
- **CI/CD speed and reliability:** Cut dev merge-request pipelines from 30 minutes to as little as 2 by rebuilding change detection; parallelized jobs with automated smoke tests, static-analysis and database-changelog validation, and build-gated releases to keep broken code out of downstream environments.
- **Security scanning gates:** Rolled out SAST, dependency, IaC, container, and DAST scanning in GitLab CI, remediated the findings (hardened images, KMS encryption, WAF, security headers), then made SAST, dependency, and IaC scans block merges.
- **Developer environments:** Built per-merge-request preview environments so reviewers test real infrastructure on every MR, plus fully-local (LocalStack) and hybrid (SAM CLI against deployed dev resources) modes that keep cloud costs off unit-test work.
- **Secrets, certificates, and identity:** Replaced long-lived CI credentials with GitLab OIDC federation, retiring self-hosted runners; moved vendor API keys and service credentials into AWS Secrets Manager and RDS-managed credentials that rotate automatically; automated GCP certificate renewal with Secret Manager and Pub/Sub, eliminating manual cert-swap downtime; implemented Cognito user pools with MFA and federated identity; owned GCP IAM design across a department engagement.
- **Observability:** Led the cutover from Datadog to GCP Cloud Monitoring while maintaining SLO coverage; manage CloudWatch alarms and dashboards as code with metric math, retention tiers, and SNS routing to email and Teams; added X-Ray tracing across Node and Python Lambdas.

AWS · GCP · Terraform · Terragrunt · OpenTofu · GitLab CI · LocalStack · AWS SAM · Cognito · KMS · Secrets Manager · ECR · X-Ray · Semgrep · Trivy

Software Engineer | Tyler Technologies

Apr 2021 – Sep 2022

- **Cloud administration application:** Built a self-service app letting clients integrate and map external service data centrally, reducing support call durations by 50%.
- **GitHub CI/CD migration:** Led migration from Bitbucket and TeamCity to GitHub with branch protection, required code reviews, and automated secret-scanning on all commits.
- **Documentation automation:** Built an internal PowerShell tool publishing TypeDoc comments into a Gatsby docs site, eliminating manual doc maintenance.
- **Client database migration SPA:** Partnered with product to architect a single-page app for migrating client databases into cloud applications.

DevOps Engineer | Tyler Technologies

Apr 2019 – Apr 2021

- **CI/CD pipeline architecture:** Designed CI/CD pipelines streamlining deployments across multiple teams.
- **Infrastructure automation:** Built infrastructure-as-code with Puppet Enterprise (Server/Agent) to reduce configuration drift across developer environments.
- **Automated server provisioning:** Automated server creation with Cloud-Config and VMware vRealize, reducing manual operations interventions by 75%.
- **Security scanning pipeline:** Established scheduled SAST/DAST scanning with automated vulnerability reporting, preventing vulnerabilities from reaching production.

Puppet · PowerShell · Azure DevOps · VMware vRealize · IIS · MS SQL Server

EARLIER EXPERIENCE

Conversions Engineer | Tyler Technologies (2017–2019) — Converted legacy data systems contributing to \$500K in new revenue; built a CLI tool that cut conversion time 50%.

Pharmacy Systems Specialist | Maine Medical Center (2016–2017) — Automated pharmacy reporting with Python and SQL and established IT documentation and communication standards.

TECHNICAL SKILLS

AWS: IAM, EC2, S3, Lambda, RDS, DynamoDB, CloudFront, API Gateway, Cognito, CloudWatch, KMS, Secrets Manager, ECR, SAM, SNS

GCP: Compute Engine, Cloud Run, VPC/Subnets, Private Service Connect, Secret Manager, BigQuery, Cloud Composer (Airflow)

Infrastructure as Code: Terraform, OpenTofu, Terragrunt, AWS CDK, Ansible, VMware vRealize, Cloud-Config

CI/CD & Automation: GitLab CI/CD, GitHub Actions, Azure DevOps, TeamCity, GitOps, terraform-docs

Containers & Local Dev: Docker, Docker Compose, LocalStack, AWS SAM CLI, AWS CLI, Container Security

Monitoring & Observability: Datadog, GCP Cloud Monitoring, AWS CloudWatch

Security & Compliance: SonarQube, Veracode, Secret Management, IAM, SAST, DAST

Databases: SQL, Liquibase, Redis, MSSQL, PostgreSQL, DynamoDB

Languages & Scripting: Python, Bash, TypeScript, JavaScript, PowerShell

Operating Systems: Linux (Ubuntu/Debian, RHEL/CentOS), Windows Server (Active Directory, IIS, Group Policy)

CERTIFICATIONS

- Google Cloud Associate Cloud Engineer — Mar 2025 – Mar 2028