Sean Smith Spedale

sean.spedale@proton.me | 442-216-5784 | Oceanside, CA

SUMMARY

Senior Systems Engineer, Senior DevOps Engineer, and Senior Site Reliability Engineer experienced in automating secure deployments across GCP and AWS. Skilled in GitLab CI/CD, Ansible, Terraform, cloud security integrations (SIEM, SentinelOne, Prisma Cloud, Twistlock), MacDNS pipeline development, Xcode testing, and operational telemetry through GCP OpsAgent and Athena.

CORE SKILLS

GCP | AWS | GitLab CI/CD | Docker | Kubernetes | Ansible | Terraform | MacDNS Pipelines | Xcode | GCP OpsAgent | ELK Stack | SIEM Integration | SentinelOne | Prisma Cloud | Twistlock | Bash | Python | Go (learning) | Athena Queries | Micro Focus ValueEdge | Atlassian Stack | Jinja2 templating

EXPERIENCE

OpenText (formerly Webroot)

Senior Systems Engineer / Senior DevOps Engineer / Senior Site Reliability Engineer | Mar 2017 - Apr 2025

- - Designed, deployed, and operated secure web-based systems, integrating enterprise components across cloud and on-prem environments.
- - Built and enhanced intersystem interfaces (RESTful APIs, service integrations) supporting enterprise-scale data exchange.
- - Collaborated with IT partners, developers, and vendors across the full SDLC lifecycle in Agile teams using Scrum.
- - Analyzed user requirements and operational issues to identify system changes and implement scalable solutions.
- - Supported cross-functional integration with legacy and third-party systems, with focus on performance and security.
- - Automated secure GCP and AWS deployments via GitLab CI/CD.

- - Linux administrator responsible for troubleshooting and debugging production and pre-production systems running CentOS 7, Rocky 8, and Rocky 9.
- - Built scalable infrastructure using Ansible and Terraform.
- - Developed MacDNS pipelines and local testing via Xcode.
- - Integrated SentinelOne, Prisma Cloud, Twistlock, SIEM tools.
- - Tuned WebLogic and Tomcat middleware stacks for reliability and throughput under load.
- - Monitored middleware with ELK, Prometheus, and Grafana, optimizing resource usage.
- - Adjusted JVM heap, thread pools, and connector settings to support mass transactions.
- - Built OpsAgent dashboards and Athena queries for metrics.
- - Deployed Micro Focus ValueEdge for DevOps value stream management.
- - Conducted performance testing of containerized applications in GCP across DEV, QA, and Production environments.
- - Conducted root cause analysis (RCA) for production outages using the Atlassian stack and documented technical resolutions.
- - Managed secure configuration of secrets via GitLab CI/CD masked variables and Vault integration.
- - Supported TLS 1.2 upgrade and security scanning tools (Qualys, Prisma, Twistlock).
- - Partnered with multiple development groups as DevOps liaison during sprint planning and daily standups.
- - Used AWS Cost Calculator and GCP Billing Reports with Cost Table to analyze project-level expenses, identify cost-saving opportunities, and implement optimizations.
- - Followed formal change management practices for infrastructure and production changes.
- - Led Rocky 8 to Rocky 9 modernization and cloud security hardening.
- - Delivered 24/7 production support and reliability improvements.
- - Primary scripting in Python and Bash, with ongoing learning in Go to support new cloud-native development efforts.

ThreatSTOP, Inc. (Carlsbad, CA)

Senior Systems Engineer, DevOps / Senior Linux Administrator | Aug 2015 - Jan 2017

- - Automated multi-datacenter deployments using Ansible and integrated Git workflows with Bitbucket.
- - Engineered and maintained DNS Firewall infrastructure, ensuring resilient network threat filtering.
- - Debugged production issues using Linux tools like htop, journalctl, and netstat, and used set -x to trace Bash script execution.
- - Wrote and tested shell scripts for operational automation and system checks.
- - Designed centralized logging via Elasticsearch, improving incident triage and forensic capabilities.

- - Developed internal dashboards and alerting with Kibana and Nagios for real-time monitoring.
- - Led incident response and post-mortems for Tier 3/4 support issues.

Verizon Wireless (San Diego, CA)

Senior Performance Engineer / Senior Linux Administrator | Aug 2014 - Aug 2015

- - Deployed and configured AlertSite synthetic monitoring across critical service endpoints.
- - Utilized RHEL systems for initial setup of APM tools and integrations.
- - Ran performance analysis and troubleshooting using Linux-native tools and logs.
- - Tuned RedHat systems for performance bottlenecks in production and staging.
- - Integrated Dynatrace APM for application performance monitoring and diagnostics.
- - Conducted system profiling and OS-level tuning to support telecom-grade SLAs.
- - Partnered with development teams to simulate traffic and assess real-world load handling.

The Active Network (San Diego, CA)

Senior Systems Engineer | Mar 2013 - Mar 2015

- - Supported high-availability infrastructure and 24/7 production uptime for consumer-facing applications.
- - Automated build and deployment processes using Bash and Jenkins.
- - Monitored middleware and OS-level KPIs using custom scripts and open-source tools.

Qualcomm, Inc. (San Diego, CA)

Senior Applications Support Engineer / HPUX Administrator | 2007 - Mar 2013

- - Provided advanced support for Java applications and infrastructure in enterprise environments.
- - Wrote detailed operational documentation and automated runbooks using Bash scripting.
- - Supported WebLogic deployments and worked closely with DBAs and developers to ensure SLA compliance.
- - Implemented environment monitoring and change tracking using in-house and commercial tools.
- - Provided support for IBM WebSphere and HPUX systems, handling patching, log rotation, and user management.

EDUCATION

Portland State University - Computer Science & Music

Mt. Hood Community College - Computer Science