

# Senior DevOps Engineer

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## About the candidate

Skilled DevOps Engineer with a strong background in systems administration, infrastructure development, and automation. He specializes in building efficient, scalable, and reliable solutions that support high-performing engineering teams.

His strengths are observability and troubleshooting. He's highly effective at identifying root causes, creating detailed reports, and implementing processes to quickly restore services when needed. His ability to respond swiftly to incidents and proactively prevent future issues makes him a trusted resource in any DevOps environment.

He quickly picks up new tools and technologies, contributes effectively in agile teams, and brings a continuous improvement approach to everything he does.

## Experience

**Eureka Labs** (Argentina) | May 2025 - December 2025

As a **Senior DevOps Engineer**:

- Designed and implemented CI/CD pipelines to automate build, test, and deployment processes.
- Managed cloud infrastructure and services (AWS, GCP, or Azure) ensuring scalability, security, and cost optimization.
- Monitored system performance and reliability, implementing proactive measures to prevent downtime and optimize performance.
- Developed and maintained Infrastructure as Code (IaC) using tools like Terraform, CloudFormation, or Ansible.
- Enhanced security and compliance by implementing best practices for access control, encryption, and vulnerability management.
- Collaborated with development and operations teams to improve system architecture and deployment strategies.
- Automated operational tasks and developed scripts to improve efficiency and reduce manual effort.

**Freelance** | January 2024 - April 2025

As a **Senior DevOps Cloud Engineer**:

- Engineered scalable systems with Docker Swarm for orchestration and Traefik for ingress control, ensuring resiliency with Keepalived VIP failover.
- Configured high-availability monitoring nodes and integrated fault-tolerant storage solutions (CephFS, MinIO, S3) to support dynamic environments.

- Designed and implemented a comprehensive monitoring stack using Prometheus, Thanos, Loki, SNMP Exporter, and Alertmanager for real-time observability.
- Developed multi-layer monitoring pipelines that correlate metrics and logs, enabling efficient incident response and root cause analysis.
- Integrated custom SNMP solutions for vendors (Huawei, Mikrotik, Cambium, Ubiquiti, Mimosa, UPS systems) and deployed protocols (SNMP, ICMP, syslog) to proactively detect anomalies.
- Designed and implemented GitLab CI/CD pipelines following GitLab Flow, including repository management, branching (feature, release, hotfix), and automated deployment workflows.
- Automated DNS management using Bind9, reducing manual intervention and streamlining configuration updates.
- Integrated Terraform with the Telmate Proxmox Provider for on-premise infrastructure provisioning, enhancing deployment consistency.
- Reduced operational overhead by automating manual monitoring workflows.
- Centralized Grafana dashboards for network-wide visibility, improving real-time analytics and troubleshooting capabilities.
- Reduced troubleshooting time and issue remediation by more than 80%.

## **Particle41, Frisco (USA) | November 2021 – January 2024**

As a **DevOps Engineer**, he has worked with multiple clients to enhance their DevOps practices using a structured DevOps Maturity Model. His contributions have helped organizations evolve from manual, ad-hoc deployments (Level 0) to fully automated, test-driven Infrastructure as Code environments.

**Client: Repay** (Financial Services, Payment Processing)

- Automated AWS infrastructure provisioning using Terraform, managing EC2 instances, VPC networking, Route 53 DNS, AWS Load Balancers (ALB/NLB), and SSL certificates.
- Designed and enforced IAM policies, AWS Config rules, and AWS Inspector scans to ensure PCI DSS compliance. Linux System Administration
- Implemented AWS SSM Parameter Store to manage sensitive configurations securely, reducing manual intervention.
- Optimized NLB for MSSQL and SFTP, ensuring secure and high-performance traffic routing.
- Refactored Jenkins pipelines for .NET and IIS-based applications, improving deployment speed, stability, and rollback capabilities.
- Developed MSSQL schema migration pipelines, automating structured updates with minimal downtime.
- Integrated AWS Secrets Manager and SSM Parameter Store into CI/CD, eliminating hardcoded credentials.
- Enhanced monitoring and logging using CloudWatch, Datadog, and Terraform-managed dashboards for critical services.
- Improved MTTR (Mean Time to Resolution) by 50%, leveraging real-time logging and automated alerting.

**Client: Field Control Analytics** (Construction, Workforce Management, Compliance Analytics)

- Designed and implemented AWS Organizations multi-account structure, ensuring secure, isolated environments (Dev, QA, Staging, Prod). ◦ Configured cross-account IAM roles & VPC sharing to optimize resource access and security.

- Developed CloudFormation templates to automate the deployment of: ■ EKS clusters for API workloads. ■ S3 storage & CloudFront distributions for hosting React-based web applications. ■ Route 53 DNS records to ensure dynamic domain mapping.
- Implemented infrastructure validation scripts (Python & AWS CLI) to prevent deployment errors before execution.
- Built Python-based CI/CD pipelines in CircleCI, automating deployments for infrastructure (CloudFormation) and applications (EKS, ECR, Kubernetes, S3).
- Managed React.js frontend deployments to AWS S3 & CloudFront, ensuring efficient content delivery and cache invalidation.
- Designed error-handling mechanisms in deployment scripts to improve pipeline resilience and automated rollback.
- Provisioned VPC, subnets, security groups, and ALB configurations to enable secure & scalable connectivity.
- Deployed APIs using Kubernetes manifests (kubectl apply), ensuring high availability & efficient resource allocation in AWS EKS.
- Automated Ingress Controller (ALB) setup and integrated Route53 for dynamic domain name mapping.

**Client: ASTM International** (Engineering, Manufacturing, Quality Assurance)

- Diagnosed and resolved VPC connectivity issues, misconfigured subnets, and NAT Gateway performance bottlenecks, ensuring seamless traffic flow across environments.
- Designed and implemented a real-time log ingestion pipeline for VPC Flow Logs, streaming logs from CloudWatch to Splunk HEC via Kinesis Firehose.

- FluentD for Cross-Platform Logging: Configured FluentD agents for both Linux and Windows containers, enabling consistent log forwarding to CloudWatch, Kinesis Firehose, and Splunk.
- Led the deployment and optimization of Splunk Connect, integrating container logs with Kubernetes monitoring.
- Automated FluentD and Splunk deployments using Helm and Terraform, improving consistency across Dev, QA, and Stage environments.
- Configured Datadog agents for Kubernetes workloads, correlating application traces, infrastructure metrics, and logs.

**Client: EBSCO Information Services** (Library Services, Digital Content Management, Academic Research)

- Spearheaded the integration of GitLab CI/CD pipelines for Java and Node.js microservices, automating testing, security scanning, and deployment to AWS EKS.
- Led a Spike Investigation for Infrastructure as Code (IaC) alternatives, ultimately implementing GitLab CI/CD with Open Policy Agent (OPA) to enforce policy-driven deployments.
- Developed a custom rollback mechanism for CloudFormation deployments, allowing automated recovery in case of failed infrastructure changes.
- Integrated GitLab IaC Scanning using OPA for Terraform and CloudFormation, enhancing security and compliance monitoring.
- Designed and maintained Helmfile-driven Kubernetes deployments, standardizing application rollout across DevQA and Live environments.
- Managed Ingress Controllers for public (Emissary) and private (NGINX) access, automating route configurations through Helm templates.

- Implemented External Secrets Operator to manage and synchronize secrets securely across Kubernetes clusters.
- Maintained Datadog APM integration for microservices, providing distributed tracing insights and reducing latency bottlenecks.
- Configured log collection, process monitoring, and network monitoring in Datadog via Helmfile, ensuring comprehensive observability.
- Designed SLOs, error budgets, and alerting mechanisms using Datadog.

## **Sancor Salud (Argentina) | April 2021 – November 2021**

### **As a DevOps Engineer:**

- Designed and deployed a 3-node Docker Swarm cluster with NFS, integrating Thanos, Prometheus, Node Exporter, WMI Exporter and Blackbox Exporter across two separate Prometheus instances for high-availability monitoring.
- Managed and maintained the ELK Stack, the primary APM solution for company-wide observability.
- Implemented Loki for log aggregation, integrating it into the monitoring stack for improved debugging and log correlation.
- Configured Grafana dashboards with structured foldering, playlists, and role-based access controls, ensuring each team had relevant visibility into their metrics.
- Established SLO-based alerting for Service URLs, ensuring proactive monitoring and performance-based alerting.
- Reviewed and enhanced OpenShift monitoring implementation, ensuring effective cluster observability.
- Deployed Traefik for reverse proxying and SSL termination, ensuring secure service exposure.

- Provisioned and hardened Linux-based servers, optimizing for security and performance.
- Implemented an SCM-based configuration system, using Git submodules to manage recording rules, alerts, and SLO objectives, improving visibility and access control.
- Refined Alertmanager integrations, creating custom Microsoft Teams alerting templates, email notifications, and Grafana dashboard alert visualizations per team.
- Developed and parameterized exporters across teams, validating data collection and ensuring consistency across multiple business units.
- Led SRE study sessions, workshops, and cross-team collaboration meetings, improving DevOps culture and knowledge sharing.
- Provided business clients with real-time service disruption insights through a centralized status page solution.

## **Universidad Siglo 21 (Argentina) | May 2018 – May 2021**

### **As a DevOps Engineer:**

- Designed and implemented a comprehensive monitoring strategy, improving system visibility and reducing unplanned downtime by 50%.
- Managed a containerized monitoring stack using Docker Swarm, integrating Prometheus for metrics collection and Grafana for real-time visualization, enabling full-stack observability for containerized applications.
- Administered the Zabbix server, deploying custom templates (including Orabbix for Oracle DB) to monitor MS SQL databases, network devices, and other critical infrastructure components.



- Developed and structured Grafana dashboards, creating team-specific roles, playlists, and role-based access control (RBAC) to ensure effective and actionable data visualization.
- Integrated ITSM tracking via Jira Service Desk, streamlining incident management, SLA monitoring, and issue tracking.
- Produced daily/monthly availability reports, providing executive insights into service uptime and resource performance.
- Coordinated with an external third-party monitoring provider, ensuring continuous verification of service availability and external performance metrics.
- Configured Traefik for reverse proxying and SSL termination, securing monitoring endpoints and ensuring encrypted data transmission.
- Integrated Microsoft AD authentication with Grafana, implementing role-based access control (RBAC) to ensure secure, managed access to monitoring services.
- Established iterative feedback loops to continuously refine monitoring practices, integrating emerging tools and best practices for optimizing system performance and reliability.
- Led hands-on training workshops, equipping teams with best practices

## Education

**Blas Pascal University** | 2013 - 2015

Telecommunications Engineering

## Skills Proficiency

AWS | Linux System Administration | Terraform | Kubernetes | Docker | Cilium  
Gateway API | GitLab | CI/CD, Jenkins | Ansible | Bash | Python | Prometheus | Thanos |  
Loki | Grafana | Datadog | Splunk | Security | MSSQL | PostgreSQL | Oracle DB | Kafka |

## Language

**Spanish:** Native or Bilingual Proficiency

**English:** Full Professional Proficiency