

Luis Cavalcante

Expert DevOps & DevSecOps Engineer

SUMMARY

- Senior DevOps & DevSecOps Engineer with extensive AWS expertise including ECS, EKS, Lambda, and Terraform automation.
- Architected GitHub Actions pipelines for multi-account Terraform deployments, reducing costs and operational overhead. Authored open-source Steampipe plugins and CIS-compliant security controls across AWS, Azure, and GCP.
- Developed Kubernetes GitOps workflows with ArgoCD and Helm, managing multi-environment EKS clusters.
- Proficient in Java, Go, Python, Node.js, and Shell scripting, with strong background in CI/CD, cloud security, and infrastructure as code.

TECHNICAL SKILLS

Main Technical Skills	AWS (8 yr.), Terraform (7 yr.), Kubernetes (7 yr.), Github Actions (7 yr.), DevSecOps (7 yr.)
Programming Languages	Go (7 yr.), Java (10 yr.), Python (7 yr.), Ruby (2 yr.)
Java Frameworks	Hibernate (8 yr.), Spring (8 yr.)
JavaScript Frameworks	Node.js (7 yr.)
Security	Auth0 (1 yr.), IAM (8 yr.), SOC 2 (7 yr.)
Data Analysis and Visualization Technologies	Kibana (7 yr.)
Databases & Management Systems / ORM	AWS Redshift (7 yr.), Elasticsearch, ELK stack (Elasticsearch, Logstash, Kibana), Hibernate (8 yr.), MySQL (2 yr.), Oracle Database (3 yr.)
Cloud Platforms, Services & Computing	AWS (8 yr.)
Amazon Web Services	AWS Cloudformation (8 yr.), AWS ECS (Amazon Elastic Container Service), AWS Elastic Kubernetes Service, AWS Elastic Kubernetes Service (EKS), AWS Lambda (8 yr.), AWS Redshift (7 yr.), AWS SQS (7 yr.)
Deployment, CI/CD & Administration	Ansible (7 yr.), ArgoCD (7 yr.), Chef (1 yr.), CircleCI (1 yr.), DevSecOps (7 yr.), GitOps (7 yr.), Helm (7 yr.), Jenkins (9 yr.), SonarQube (4 yr.)
Virtualization, Containers and Orchestration	Docker (8 yr.), Kubernetes (7 yr.), Terraform (7 yr.)
Operating Systems	FreeBSD (7 yr.)

Version Control	GitHub (9 yr.), Github Actions (7 yr.)
Logging and Monitoring	Grafana (7 yr.), Logstash, Prometheus (7 yr.), Sentry (7 yr.)
SDK / API and Integrations	GraphQL (3 yr.), ServiceNow API (1 yr.)
Web/App Servers, Middleware	JBoss (1 yr.)
QA, Test Automation, Security	KMS (7 yr.)
Scripting and Command Line Interfaces	Shell Scripts (9 yr.)
Other Technical Skills	APM (7 yr.), Cls (7 yr.), IRSA (7 yr.), RDS (7 yr.), SAST (7 yr.), Vanta (1 yr.), Wiz (1 yr.)

WORK EXPERIENCE

Senior DevOps Engineer, contract via Ambush - Binance.US (Infrastructure and CI/CD Platform for Regulated Digital-Assets Exchange)

Duration: Jul 2025 - Present

Summary: This project involved designing and building scalable and secure infrastructure and CI/CD pipelines for a regulated digital-assets exchange, focusing on Terraform automation, Kubernetes orchestration, and cloud security compliance.

Responsibilities:

- Designed and implemented GitHub Actions pipelines for Terraform automation across multiple AWS accounts.
- Redesigned Terraform workspaces to improve security and efficiency.
- Developed reusable CI/CD workflows and provisioned AWS infrastructure for multiple environments.
- Built infrastructure for payment-processor and tokenized-credit-card integration services.
- Managed Kubernetes workloads on EKS clusters using GitOps with ArgoCD and Helm charts.
- Participated in migration of repositories from GitHub Enterprise to GitHub Cloud.
- Improved cloud security posture by remediating Wiz and Vanta findings.
- Provided on-call support and troubleshooting for runtime environments.

Technologies: AWS (ECS, EKS, Lambda, IAM, IRSA, RDS, KMS, SQS, VPC), Terraform, GitHub Actions, Kubernetes, ArgoCD, Helm, Slack, Grafana, Kibana, Wiz, Vanta

DevOps and DevSecOps Engineer - Turbot (Cloud Infrastructure, Compliance, and Automation Platform)

Duration: Nov 2017 - Jun 2025

Summary: Developed and maintained cloud infrastructure and compliance automation tools for Turbot's cloud security posture management and governance platform, integrating Kubernetes, cloud providers, and compliance frameworks.



Responsibilities:

- Built CI/CD pipelines using GitHub Actions and managed cloud infrastructure with Terraform.
- Developed Kubernetes metadata agent for cluster integration with CSPM/CNAPP and ServiceNow.
- Created OS-level inventory systems for Linux and Windows fleets with GraphQL APIs.
- Led customer technical workshops to accelerate adoption and value realization.
- Authored CIS-based compliance controls for AWS, Azure, and GCP, including auto-remediation features.
- Implemented CIS-compliant hardening for multiple OS platforms deployed on AWS ECS.
- Developed and published open-source Steampipe.io plugins in Go for various services.

Technologies: GitHub Actions, Terraform, Kubernetes, Shell, Python, Node.js, Go, Docker, AWS ECS, CSPM, CNAPP, ServiceNow, Steampipe.io

DevOps Engineer, contract via BendIT - Anheuser-Busch InBev (Cloud Infrastructure Modernization and CI/CD Implementation)

Duration: Jun 2016 - Oct 2017

Summary:

- Modernized cloud infrastructure and implemented CI/CD pipelines to support migration from a Java monolith to Node.js microservices, improving deployment speed and scalability

Responsibilities:

- Built cloud infrastructure on AWS ECS, ECR, Lambda, and API Gateway using CloudFormation.
- Provisioned Jenkins infrastructure and set up GitHub repositories.
- Developed CI/CD pipelines and containerized applications with Docker.

Technologies: AWS ECS, ECR, Lambda, API Gateway, CloudFormation, Jenkins, GitHub, Docker, Java, Node.js

DevOps Engineer - Walmart.com (CI/CD Pipeline Development and Infrastructure Management)

Duration: Jan 2015 - May 2016

Summary: Developed and managed CI/CD pipelines and infrastructure to support multiple application stacks, improving development efficiency and pipeline monitoring.

Responsibilities:

- Built Jenkins CI/CD pipelines for Ruby/Rails, Python, JVM, and Node.js applications.
- Created reusable pipeline templates and documentation to accelerate adoption.
- Developed an SDLC dashboard aggregating pipeline metrics, quality coverage, and Jira tickets.
- Managed Jenkins infrastructure using Chef as Infrastructure as Code.

Technologies: Jenkins, Ruby on Rails, Python, Java, Groovy, Node.js, Chef, Jira



Software Architect - BNP Paribas Cardif (Legacy System Modernization and CI/CD Automation)

Duration: Jan 2014 - Dec 2014

Summary: Led modernization of legacy systems and implemented CI/CD automation to improve maintainability, scalability, and code quality.

Responsibilities:

- Modernized legacy applications using Java EE, Spring, Hibernate, and JBoss.
- Implemented CI/CD automation with Jenkins, Shell scripting, and SonarQube.
- Mentored team members to enhance onboarding and knowledge transfer.

Technologies: Java EE, Spring, Hibernate, JBoss, Jenkins, Shell scripting, SonarQube

Team Lead and Software Architect - Tempo Assist (Healthcare Management System and CI/CD Implementation)

Duration: Jul 2010 - Dec 2013

Summary: Led development and modernization of a healthcare management system and implemented CI/CD pipelines to improve delivery speed and code quality.

Responsibilities:

- Migrated version control from SVN to Git and implemented Jenkins and SonarQube CI/CD pipelines.
- Developed healthcare management system using Java, Spring MVC, and Oracle PL/SQL.
- Enhanced usability with Google Maps API integration for location-based provider search.
- Mentored development team and managed hiring processes.

Technologies: Java, Spring MVC, Oracle PL/SQL, Jenkins, SonarQube, Git, SVN, Google Maps API

Software Engineer - CI&T (Marketing Platform Backend and Promotional Web Applications)

Duration: Aug 2008 - Jun 2010

Summary: Developed backend systems for marketing platforms and promotional web applications to support large-scale campaigns and increase brand engagement.

Responsibilities:

- Implemented backend systems for Johnson & Johnson's marketing platform using Java, Spring, and Hibernate.
- Built promotional web applications for Coca-Cola Brazil.

Technologies: Java, Spring, Hibernate

Backend Software Engineer - UNO ERP (ERP Module Development and Database Migration)

Duration: Jun 2006 - Jul 2008



Summary: Developed ERP modules and led database migration to improve data reliability and system performance.

Responsibilities:

- Built six ERP modules from scratch using Java on Linux.
- Led migration of ERP database from MyISAM to InnoDB in MySQL.

Technologies: Java, Linux, MySQL

EDUCATION

- **Computer Science - FATEC Sorocaba, Sao Paulo State Technological College**
2004 - 2007

