

LUIS ANTONIO REYNOSO SALCEDO

Senior DevOps Engineer | MLOps | FDE | Infrastructure Automation | SRE
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EXECUTIVE SUMMARY

Senior DevOps Engineer with **15+ years** of experience architecting, automating, and optimizing mission-critical infrastructure across **AWS, Azure, and GCP** for **Fortune 500** enterprises, managing **3,000+ microservices** across **6+ global regions**. **AI & MLOps Automation Leadership:** Led MLOps initiatives as a Forward Deployed Engineer, leveraging **Amazon SageMaker, Bedrock, Vertex AI, and Azure AI Foundry** to architect agentic chatbots and coding agents. Engineered development ecosystems utilizing **Coder** for **Claude Code, Cursor, and MCP**, automating machine learning deployment workflows and significantly reducing manual cycle times for cross-functional DevOps and ML engineering teams. Proven expertise in **reducing deployment cycles by 75%, achieving 99.99% system uptime, automating 90% of infrastructure provisioning, and delivering \$1M+ annual cost savings** through optimization. Demonstrated leadership in **SRE practices, incident response, and cross-functional collaboration** with development teams serving **100M+ daily transactions**. Skilled in **Infrastructure-as-Code, Kubernetes orchestration, CI/CD pipeline optimization, observability architecture, and enterprise cloud migrations**.

KEY ACHIEVEMENTS

Speech Recognition AI Cloud Migration Daimler Automotive Group (Germany)

Led migration of 20+ mission-critical speech recognition microservices from on-premises to Azure Kubernetes Services, enabling real-time AI processing for 2M+ vehicles globally with zero service disruption. Achieved 85% deployment time reduction, 40% latency improvement, and 99.98% uptime while coordinating cross-functional teams of data scientists and AI engineers. Utilized Databricks, Helm, Terraform, and custom data pipelines to meet stringent automotive reliability standards.

Enterprise Landing Zone Architecture Government Energy Regulatory Entity

Architected multi-tenant, multi-region Azure landing zone from greenfield, establishing a compliant infrastructure foundation (SOC 2, FedRAMP-aligned) for future microservices migrations. Implemented infrastructure-as-code with 95% Terraform coverage, 3x faster environment provisioning, and 99.95% RPO/RTO SLA across disaster recovery and redundancy protocols. Enabling a secure, scalable foundation for enterprise workloads.

AWS Landing Zone & Multi-Workload Migration Global Renewable Energy Company

Designed AWS landing zone and orchestrated migration of 15+ ETL data pipelines, energy forecasting, and machine learning applications from legacy infrastructure. Enabled 300% burst scalability for peak ETL loads, achieved 45% infrastructure cost reduction versus on-premises, and 60% query performance improvement. Collaborated with data scientists and ML engineers to architect application requirements for heavy batch execution workloads.

CORE TECHNICAL COMPETENCIES

Cloud Platforms: AWS (EC2, ECS, EKS, Lambda, RDS, Aurora, CloudFormation, Route 53, S3, CloudWatch) | Microsoft Azure (AKS, App Services, Azure Functions, Azure DevOps, ARM, Bicep) | GCP Compute Engine.

Infrastructure Automation & IaC: Terraform | Ansible | CloudFormation | Bicep | Helm | ARM Templates

Container & Orchestration: Docker | Kubernetes (EKS, AKS, GKE) | Helm Charts | Container Registry

CI/CD & Release Engineering: Jenkins | GitLab CI/CD | GitHub Actions | Azure DevOps | CircleCI | CodePipeline | Bamboo

AI/ML Platforms & MLOps: Amazon Bedrock | Amazon SageMaker | Google Vertex AI | Azure AI Foundry | Model Deployment and Serving | ML Pipeline Automation | Model Monitoring | Prompt Engineering | LLMOps | CI/CD for MLOps | Generative AI & Agentic Systems: AI Agents | Agentic Workflows | (RAG) | Claude Code | Cursor | Copilot | (MCP) | AI-Assisted Software Development | Coding Agents Orchestration

Data & Analytics Platforms: Apache Spark | Databricks | Snowflake | PostgreSQL | Apache Airflow | AWS Batch | Fargate | AWS Glue | Azure Datafactory | GCP Datafusion | Dagster
Observability & Monitoring: Splunk | Dynatrace | Datadog | OpenTelemetry | ELK | CloudWatch | PagerDuty
Languages & Scripting: Python | GO | Bash | PowerShell | YAML | HCL
SRE & Reliability: SLO/SLI Definition | Incident Response Management | Post-Mortem Analysis | Root Cause Analysis | On-Call Automation

PROFESSIONAL EXPERIENCE

Senior DevOps MLOps Data Platform Engineer

Movate / KKR Boston, MA

March 2026 – August 2026

- **AI & MLOps Agentic Orchestration:** Functioned as an AI Forward Deployed Engineer leveraging LiteLLM, AWS SageMaker for multi-cloud model access across Bedrock, Vertex AI, and Azure AI Foundry. Architected agentic coding and chatbot frameworks utilizing Claude Code and MCP to automate end-to-end CI/CD and observability tasks. Developed within a Coder-based remote environment, accelerating experimental setup and runbook generation, which yielded a significant reduction in manual cycle times.
- **Data Infrastructure CI/CD Optimization:** Engineered greenfield GitHub Actions workflows for scalable data infrastructure. Remediated legacy template issues, resolving critical GitHub-token warnings and runtime errors. Upgraded environment parity to Node.js v24 and standardized boto3 dependencies, enhancing pipeline stability and ensuring platform readiness against future runtime deprecations.
- **Hardened IaC & IAM Architecture:** Expanded Terraform modules for high-security data services, implementing KMS key policy tightening and cross-account SNS patterns for Redshift. Rolled out centralized Lambda UDF execution roles across four specialized workspaces, reducing configuration drift and IAM duplication while establishing a path for future in-cluster to Lambda-based workload migrations.
- **Schema Automation & Release Safety:** Implemented Liquibase-driven POCs for environment-aware Redshift deployments. Developed robust SQL delivery pipelines utilizing cross-account role chains and dedicated Athena results buckets. Orchestrated these workflows through Production via formal change management, providing application teams with repeatable, flag-controlled deployment capabilities for enhanced operational safety.

Senior Release DevOps Engineer SRE

EPAM Systems | Houston, TX

May 2023 Oct 2025

- **Multi-Cloud Infrastructure at Scale:** Designed and deployed scalable infrastructure serving **2,500+ microservices** across **AWS and Azure**, supporting **50M+ daily transactions** with **99.99% uptime SLA**.
- **CI/CD Pipeline Optimization:** Reduced deployment time from **25 minutes to 4 minutes** (82% reduction) using Jenkins and AWS CodePipeline automation; decreased deployment failure rate from **8% to 0.3%** through enhanced testing frameworks.
- **Kubernetes Cluster Management:** Managed **100+ Kubernetes clusters** (EKS/AKS) with **2,000+ container nodes**, automated cluster provisioning, reducing cluster setup time from **2 hours to 12 minutes** using infrastructure-as-code.
- **Cost Optimization & FinOps:** Implemented reserved instance strategies and resource right-sizing, reducing cloud infrastructure costs by **\$1.2M annually** (35% reduction); optimized auto-scaling policies, reducing wasted compute by 40%.
- **Observability & Incident Response:** Architected a multi-cloud observability platform integrating Splunk, Dynatrace, and CloudWatch; reduced mean time to resolution (MTTR) from **90 minutes to 15 minutes** through automated alerting and runbook automation.
- **SRE Best Practices:** Defined and implemented SLOs (99.99% availability, <5s p99 latency) across all critical services; led post-mortem analysis for 200+ incidents, driving 60% reduction in repeat incidents.
- **Infrastructure Automation:** Automated provisioning of 500+ infrastructure resources using Terraform and CloudFormation; reduced manual provisioning tasks by 90%, eliminating toil.
- **On-Premises to Cloud Migration:** Led migration strategy for Fortune 500 customer transitioning **1,800+ on-premises servers** to AWS; completed migration 3 months early with zero data loss and zero downtime for critical applications.

Senior DevOps Engineer / Release Engineer
Tecnologia Corp | Houston, TX

November 2021 May 2023

- **Kubernetes Scaling & Automation:** Architected and deployed **AKS infrastructure** managing **3,000+ containerized applications** across **5 regions**; automated cluster provisioning with Helm charts and CLI scripts, reducing deployment time by 75%.
- **Infrastructure Provisioning Tooling:** Designed a proprietary provisioning toolset streamlining resource allocation for **large-scale cluster environments** serving **100+ development teams**; reduced infrastructure request fulfillment time from **3 days to 2 hours**.
- **CI/CD Pipeline Enhancement:** Optimized Azure DevOps and AWS CodePipeline, reducing build-to-deploy time from **60 minutes to 15 minutes**; implemented parallel testing, increasing test coverage 92%.
- **Team Leadership & Mentorship:** Led DevOps team of 8 engineers; mentored 12+ junior engineers in cloud automation and best practices; increased team productivity by 40% through process improvements.
- **Documentation & Runbooks:** Developed a comprehensive runbook library for 200+ operational procedures, reducing support tickets by 45% through a self-service knowledge base.
- **Cloud Migration Strategy:** Collaborated with enterprise stakeholders to design a cloud migration roadmap for 2+ Fortune 500 companies transitioning from on-premises to Azure and AWS; achieved **85% cost reduction** vs. on-premises infrastructure.

Release Engineer / DevOps SRE Tech Lead
Luxoft (DXC Technology) | San Francisco, CA

June 2017 Nov 2021

- **Microservices Deployment at Enterprise Scale:** Managed continuous deployment of **4,000+ microservices** across **travel, automotive, healthcare, and financial services** industries; maintained **99.97% deployment success rate**.
- **Observability Architecture:** Architected enterprise-wide Splunk monitoring stack processing **10TB+ logs daily** from 5,000+ servers; designed Dynatrace dashboards for real-time application performance monitoring, reducing incident discovery time from **4 hours to 8 minutes**.
- **Incident Response Excellence:** Led incident response for a **critical production outage**, reducing MTTR from **120+ minutes to 18 minutes** through automation; maintained 99.95% service availability.
- **Automation at Scale:** Developed 50+ automation scripts (Python, Bash), monitoring 8,000+ application instances; automated alert generation and escalation, reducing manual notifications by 85%.
- **CI/CD Pipeline Leadership:** Enhanced CI/CD infrastructure across Jenkins, CircleCI, and GitHub Actions, supporting 200+ development teams; reduced code-to-production time by 65%.

DevOps Engineer / SRE Tech Lead Accenture | Monterrey, NL
Cloud Engineer System Administrator Softtek | Aguascalientes
Systems Engineer | Server Administrator TATA TCS | Guadalajara
Systems Server Administrator City Council IT Governance | Jalisco

June 2016 June 2017
Oct 2015 June 2016
Oct 2012 Oct 2015
May 2009 Sept 2012

AWARDS, CERTIFICATIONS & PUBLICATIONS

Certifications:

- Splunk Administrator Certified (Cloud, Cluster Administration, Enterprise Security, IT Service Intelligence, Big Data Analytics)
- ITIL Foundations V3 Certified Professional
- International Program in Cybersecurity and Big Data, Barcelona, Spain (2019)
- Data Science Oriented Programming and Machine Learning, Guadalajara, Mexico (2018)

Publications:

- Engineer Leticia Velarde Pena & Engineer Luis Antonio Reynoso Salcedo. "Robotic Arm D-Tran RT3200 as Educational Prototype." First International Congress of Trans-disciplinarity, Mexicali, BC, Mexico (2010). ISBN: 978-607-7753-55-1

EDUCATION

Bachelor of Science in Computer Systems Engineering
Instituto Tecnológico Superior de Puerto Vallarta, México (2009)