Andrés Amado

Senior DevOps Engineer & SRE

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Multi-paradigm, non-dogmatic Software Engineer, DevOps Engineer & SRE, a self-starter, and a hands-on leader who loves technology. Docker Ambassador, K8s big fan. Critical thinking, decision-making, and really good at solving problems. Likes to teach and learn every day. Sci-Fi passionate & TMNT lover.

Good knowledge of new technologies in general, and exposure to many programming languages, technologies, and platforms. 6+ years of full-time relevant experience as a DevOps/SRE and 5+ years as a Software Engineer. Experience leading teams of up to 12 people. Special skills and experience in startups.

Summary of Qualifications - Proficient In

Languages / Frameworks

- Bash
- Golang
- C#
- .Net Core
- Nuget
- Groovy
- Grails
- Java
- Micronaut
- Spring
- Gradle
- Maven
- Python
- Flaks
- Django
- FastAPI
- Javascript
- Typescript
- Angular
- VueJS
- Node
- Express
- Loopback
- NPM/NPX
- Grunt/Gulp
- Yarn
- Webpack
- Ruby
- RoR

Containers

- Docker
- Docker-Compose
- Kubernetes

Configuration Management

- Ansible
- Chef

Automation / CI/CD Tools

- Jenkins CI
- Github Actions
- Gitlab Pipelines
- ArgoCD
- Travis CI
- Bamboo CI
- Circle CI
- Rundeck

IaC

- Pulumi
- Terraform
- Cloudformation

DVCS

- Github
- Gitlab
- Bitbucket

Artifact Repositories

- JFrog
- Nexus
- Dockerhub

Monitoring

- Datadog
- New Relic
- Grafana

Cloud Providers / IaaS

- AWS
- Azure
- Heroku

Databases / Storage Layer

- MySQL
- PostgreSQL
- SQLite
- MongoDB
- DynamoDB
- Elasticsearch
- Redis
- Memcached

Queue / Brokers

- RabbitMQ
- ActiveMQ
- Kafka

Others

- SDLC
- Process Automation
- Agility
- GitOps
- Elastic Computing
- Cloud-Native Apps
- 12 Factors Apps
- Microservices
- Serverless
- QA& QC
- Versioning Strategies
- TDD
- Scrum

Languages

- **Spanish** (Native)
- **English** (Advanced)
- **Portuguese** (Advanced)

Last Professional Experience

Senior DevOps Engineer
Apr. 2022 - Present

EPAM - Bogotá, Colombia

Assist the client in the journey to a cloud-native era with accelerated cloud adoption across the entire organization. Engagement includes a 3-phases analysis effort to assess the developers' experience and current state architecture, define target architecture, and implement a roadmap to support cloud adoption across the client organization.

- Writing and covering each designed/developed Terraform module by tests (Unit/Contract/Integration) using Terratest, Golang, and an in-house developed Testing Framework
- Implement Composite and Typescript custom GitHub Actions for CI/CD workflows for Terraform Enterprise (bootstrap, tests, checking on compliance with Sentinel, and destroying Terraform modules/templates)
- Design and implement Proof of Concepts (POC) and make proposals for process improvements or definition of standards
- Working on a new Internal Developer Platform (IDP) for the client and its integrations with old and new resources

Technologies worked with: *Terraform, Terraform Enterprise, Vault, Terratest, GitHub Actions, WizIO, Sentinel, Docker, Scripting, Golang, GitHub, GitHub Enterprise, AWS, Typescript, IDP*

Senior DevOps Engineer Lead
Oct. 2021 - Mar. 2022

Monokera - Bogotá, Colombia

For several months I worked with a Start-up that enables companies in any industry to offer digital insurance to their customers through an integrated experience via API that could be adapted to current sales channels. They also support the creation of new digital sales channels by developing custom React Web Apps, and Ruby Services deployed on EC2 Instances using Ansible and Github Actions for the CI/CD cycle. That architecture is temporary, and the baseline was architected to upgrade the life cycle of services and apps to a more resilient and idempotent infrastructure based on orchestrated containers. I also would highlight these points from that experience:

- Work closely with senior engineering leadership and development teams to guide the application of best engineering practices and achieve increased speed and traceability, minimize the opportunity for errors, reduce the need for rework, and in general, Align processes to results and business according to the DevOps strategy and culture.
- Define and grow the company approach to DevOps across the technical teams within the organization.

Technologies worked with: *Pulumi, Ansible, Packer, Vault, GitHub Actions, Python, Node, Serverless, Docker, Kubernetes, MongoDB, PostgreSQL, RabbitMQ, Airbrake, Rapid7, Sendgrid, AWS, Jenkins.*

Senior DevOps Engineer Lead
Aug. 2021 - Oct. 2021

LendingFront - Bogotá, Colombia

LendingFront's cloud-based, white-labeled technology platform takes small business lending programs to a whole new level—eliminating friction, frustration, and risk.

- Build scalable, fault-tolerant distributed systems sharing a solid background in micro-service application architecture
- Work with the different technical teams to identify opportunities for automation.
- Implement Security Controls and Compliance Validation for cloud-oriented architectures.

Technologies worked with: *Terraform, Ansible, Packer, Github Actions, Python, Node, PostgreSQL, AWS, Jenkins.*

Senior DevOps Engineer
Jan. 2021 - Jul. 2021

Endava - Bogotá, Colombia

By leveraging next-generation technologies, Endava's agile, multi-disciplinary teams provide a combination of product & technology strategies, intelligent experiences, and world-class engineering to help their clients become more engaging, responsive, and efficient. As a member of the Cloud Engineering team for a Canadian safe vehicles company, my primary responsibility was to build/maintain highly available and scalable modern architectures supported on multiple Kubernetes clusters, cloud provider services (Azure), and Serverless apps. Allow me to focus on some points highlighted in this Endava project:

- Define workflows and tools that allow different strategies for continuous deployment in productive environments, increasing the speed and quality of the development team.
- Run Unit & Integration tests to validate infrastructure changes before deploying them to the production environment and orchestrate automated deployments by programming them within application code.
- Define Policy-as-Code to enforce compliance across the infrastructure proactively and proactively validate the correct configuration. Also, write policies/rules that check for security, cost, reliability, and linting.

Technologies worked with: *Azure Virtual Machines (VMs), Azure Container Service, Azure App Services, Azure Storage, Azure SQL Database, Azure DocumentDB, Azure Redis Cache, Azure Kubernetes Service, Istio, Portworx, Terragrunt, Terraform, Helm, Ansible, Opsgenie, New Relic, Elastic Stack, Jenkins.*

Senior DevOps Engineer & SRE

Nov. 2018 - Oct. 2020

ADL Digital Lab - Bogotá, Colombia

ADL Digital Lab is part of the largest business group in Colombia (Grupo Aval) and was founded to carry out the digital transformation of their companies. In this process, I was part of the founder DevOps Team. Along with the team, we became responsible for developing the first CI/CD tools, the IaC adoption, configuration and administration of the code versioning tool, artifact management, and the cloud adoption (AWS), which set the bases for the evolution of the toolset that currently supports more than 50 projects, all of them using SCRUM methodologies, analytical tooling (Data Lake, analytical models, etc.), and transactional channels with more than 12 million users from financial institutions, insurance companies, among others. Some perks I would like to highlight:

- Identify, create, automate and maintain workflows/pipelines and reference architectures, saving time and engineering efforts, accelerating the productivity of software development teams, and enhancing the entire development lifecycle across different projects: Cloud architecture, testing, building, deployment, monitoring, and product evolution, taking into account principles of security, scalability, and maintenance, facilitating the continuous delivery of relevant financial products in a fast, safe, and effective way.
- Leader of the DevOps Automation Team, including identification, evaluation, and implementation of different tools (most of them developed in-house) for; Access & governance management, source code management, software build processes, configuration management, test strategies, artifact management, infrastructure provisioning, release orchestration, and efficient monitoring.

Technologies worked with: *Terraform, Terraform SDK, Terraform Providers (Github, LDAP, Datadog, Artifactory, Sonarqube, AWS, Azure), Packer, Active Directory, SSO & SAML, AWS, Datadog, Docker, Artifactory, JFrog, SonarCloud, Sonarqube, AWS, MongoAtlas, GitHub & GitHub Enterprise, Jenkins Shared Libs, Jenkins DSL, Jenkins CaaC, Prowler, JFrog Xray, Dependabot, AppCenter, Groovy, Python, Golang.*

Education

BS, Systems Engineering

Jan. 2005 - Nov. 2010

Universidad Nacional de Colombia

- ColSWE (*Colectivo de Investigación en Ingeniería de Software*) research group assistant
- Teacher assistant in the following subjects; OS (Operating Systems), OOP (Object-Oriented Programming), and Software Architecture
- GNU/Linux Users Group director
- Free Software Installation Festival active member

Licenses & Certifications

Full Stack Observability Practitioner

Mar. 2022 - No Exp. Date

New Relic

Credential ID: 253d8e0e-202e-40a6-a92f-6865010e93b4

Certified Customer Service Operations

Mar. 2022 - No Exp. Date

PagerDuty

Credential ID: d62348cb-813c-46c2-acf7-f6e168cf6565

GitOps Fundamentals

Dec. 2021 - No Exp. Date

Codefresh

Credential ID: 61ce9597607f4053c41b1611

IT Specialist - Software Development

Sep. 2021 - No Exp. Date

CertiPort

Credential ID: 4387063d-f488-44c9-8402-5ce5821ec95b

Introduction to GitOps (LFS169)

Sep. 2021 - No Exp. Date

The Linux Foundation

Credential ID: LF-x9ad25heu7

Foundation for Istio

Sep. 2021 - Sep. 2023

Solo.io

Credential ID: a813fa37-eb69-4a66-8160-3890f09be2e5

Essentials for Istio

Aug. 2021 - Aug. 2023

Solo.io

Credential ID: eef49d63-05f5-4a6b-853e-3747d6ef23c0

Gitlab Certified Associate   Jul. 2021 - No Exp. Date

Gitlab

Credential ID: 2EG2MaZUScCZpRbRVxAyBg

Gremlin Certified Chaos Engineering Practitioner (GCCEP)   Jul. 2021 - No Exp. Date

Gremlin

Credential ID: 35920687

ISO/IEC 27001 Information Security Associate   Feb. 2021 - No Exp. Date

SkillFront

Credential ID: 64301905918911

ISO 9001 Quality Management Systems Associate   Feb. 2021 - No Exp. Date

SkillFront

Credential ID: 72879135349422

Microsoft Certified: Azure Fundamentals   Jan. 2021 - No Exp. Date

Microsoft

Credential ID: 9f7289fa-841d-4570-96ed-6b0ed7e4d948

Cyber Security Foundation Professional Certificate (CSFPC)   Nov. 2020 - Nov. 2022

CertiProf

Credential ID: 51824682

DevOps Essentials Professional Certificate (DEPCP)   Sep. 2020 - Sep. 2022

CertiProf

Credential ID: 43630167

Scrum Foundations Professional Certificate (SFPC)   Aug. 2020 - Aug. 2022

CertiProf

Credential ID: JLSTRFRDPT-VHZBTNVK-YBWRTDSWTS

Certificate Jenkins Engineer 2020 (CJE)   Jun. 2020 - No Exp. Date

CloudBees

Credential ID: 19392578

HashiCorp Certified: Terraform Associate   Sep. 2019 - May. 2022

HashiCorp

Credential ID: 61dbcea4-a76e-456e-92e7-c029dec