


Andres Cortes

Full-Stack and DevOps Engineer

 Mexico

Professional Summary

Seasoned Full-Stack and DevOps Engineer with over 9 years of hands-on experience in designing and deploying robust web applications and automating infrastructure in both cloud-native and hybrid environments. Deep expertise in container orchestration, CI/CD pipeline development, and microservices architecture. Recognized for implementing scalable systems and driving DevOps culture across cross-functional teams.

Professional Experience

Senior DevOps Engineer, CloudServe LATAM

04/2021 – Present
Remote / Mexico City

Responsibilities:

- Led AWS-based cloud migration projects using Terraform and Kubernetes.
- Designed multi-region CI/CD pipelines with GitHub Actions, Docker, and Helm.
- Maintained high-availability infrastructure and incident response systems.
- Supported developer teams with secure deployment environments.

Achievements:

- Reduced infrastructure provisioning time by 80% through IaC automation.
- Decreased production deployment failures by 70% with better testing workflows.
- Achieved 99.99% uptime across mission-critical services.

Full-Stack Engineer, TecnoApps MX

08/2018 – 03/2021
Guadalajara, Mexico

- Developed dynamic frontends in React and Vue.js with clean UI components.
- Designed Node.js APIs integrated with PostgreSQL and Redis.
- Implemented CI/CD with GitLab, Dockerized app stacks for local and production environments.

Key Wins:

- Delivered 3 SaaS products used by 10K+ customers.
- Improved frontend load times by 50% with SSR and lazy-loading.

DevOps & Backend Engineer, CodeFlow Digital

01/2016 – 07/2018
Remote (Mexico-based)

- Developed deployment workflows using Jenkins, Bash scripts, and AWS CLI.
- Built microservices and background jobs in Python and Node.js.
- Created centralized logging with ELK Stack and alerting with Prometheus.

Education

Bachelor's degree, Computer science,

2020 – 2024

Universidad Nacional Autónoma de México (UNAM)

Studied core principles of computer science, software engineering, and web development. Completed coursework in data structures, algorithms, databases, frontend and backend development. Participated in group projects, hackathons, and UI/UX design activities.

Gained hands-on experience with:

1. Programming: JavaScript, Python, Jav

- 2. Web technologies: HTML, CSS, React.js, Node.js
- 3. Tools: Git, VS Code, Figma
- 4. Methodologies: Agile, Scrum

Computer science, *Centro de Estudios Tecnológicos Industrial y de Servicios (CETis)*

Completed a specialized technical program focusing on HTML, CSS, JavaScript, and basic backend fundamentals. Participated in hands-on projects and team-based development challenges.

2018 – 2020

Core Skills

Languages

- JavaScript (ES6+)
- Python
- Bash
- TypeScript
- Go
- C
- C#

Backend

- Node.js
- Express
- NestJS
- Django
- MongoDB
- PostgreSQL
- Laravel
- FastAPI

Monitoring & Logs

- Prometheus
- Grafana
- Loki
- ELK Stack

Practices

- Agile/Scrum
- TDD
- CI/CD
- GitOps
- IaC
- DevSecOps

Frontend

- React.js
- Next.js
- Angular.js
- Vue.js
- Tailwind CSS

DevOps & Cloud

- AWS
- GCP
- Azure
- Docker
- GitLab CI
- Github Actions

Other Tools

- NGINX
- Git
- Linux
- Redis

Languages

Spanish
Native

English
Professional Fluency

Awards & Community Involvement

Top DevOps Innovator - LATAM Region, <i>CloudServe</i>	12/01/2022
Outstanding Developer Award, <i>TecnoApps MX</i>	12/01/2018

Key Projects

Kubernetes-based Internal Platform

- Developed internal tooling for multi-tenant deployments using Helm and Kubernetes.
- Created secure secrets management system with HashiCorp Vault.

CI/CD Automation Framework

- Built self-service deployment portal for QA and dev teams using React, Express, and GitLab APIs.
- Reduced manual deployment time from 1 hour to 10 minutes.

Cloud Cost Optimizer

- Scripted real-time cost analysis with AWS Cost Explorer APIs.
- Saved ~\$25K annually by identifying and terminating underutilized resources.

Certifications

- AWS Certified DevOps Engineer - Professional
- Certified Kubernetes Administrator (CKA)
- Microsoft Azure Fundamentals

Tech Stack Overview

Cloud

- AWS (EC2, ECS, S3, Lambda), Azure, GCP

Containerization

- Docker, Kubernetes, Helm

IaC

- Terraform, Ansible

CI/CD

- Jenkins, GitHub Actions, GitLab CI

Monitoring

- Prometheus, Grafana, ELK Stack

Frontend

- React.js, Next.js, Vue.js

Backend

- Node.js, NestJS, Django, PostgreSQL, MongoDB

Scripting

- Bash, Python, Go