

OSAIN ABITIA



Mexico



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github.com/OsainAbitia

Software Engineer

WHO AM I?

I'm a certified AWS Solutions Architect and software engineer with a passion for leading teams to build impactful products that address real-world needs. With a strong background in managing cloud technologies across AWS, GCP, and Azure, I specialize in designing and building secure, reliable, and scalable systems.

CERTIFICATES

AWS Certified Solutions Architect (Associate), AWS Certified Cloud Practitioner, AWS Well-Architected Proficient, AWS Partner: Accreditation (Technical), AWS Partner: Accreditation (Business),

LANGUAGES

Spanish - Native
English - C1

EXPERIENCE

Mar 2022 – Present

Senior Software Engineer 2 - Platform Team

Apli Jobs

In this role, I led process standardization for infrastructure creation using Terraform modules, reducing the development cycle by 80%. This efficiency gain allowed me to take the initiative to start Dockerizing services and deploy them on ECS, significantly streamlining deployment processes.

I also designed and exposed REST APIs through API Gateway, enhancing system integration. To ensure system reliability under load, I introduced Stress Testing with Artillery, creating complex API workflows to simulate real user interactions, which identified bottlenecks and accelerated service release times.

AWS / Python / Docker / GitHub / Artillery Load Tests / Terraform

Jan 2022 – Mar 2022

Software Engineer - Cloud Team

Apli Jobs

As the first and only Cloud Engineer during my initial 6 months at Apli, I spearheaded the design and implementation of cloud-based architecture for cross-team projects, collaborating with Data Science, Product, and Engineering teams. Utilizing AWS services such as EMR, ECS, DynamoDB, Lambda, AWS Backup, RDS, and Redis, I also successfully implemented cost optimization mechanisms that reduced the company's costs in around 10% for the first year.

I initiated and led internal efforts to bolster company culture and enforce security protocols. I was a key member of the committee that introduced the on-call program to the Engineering team, which resulted in a response time against incident of less than 4 hours. I also led the ISO audit and certification process, focusing on ensuring our architecture met the highest standards of security, scalability, and reliability, which culminated in achieving ISO 27k1.

As the team expanded, I took on a mentor and leadership role, establishing processes that improved code quality, including enhanced documentation, automated security checks in CI/CD, and regular knowledge-sharing meetings.

AWS / Python / Docker / GitHub / Terraform / GCP

Feb 2021 – Jan 2022

Backend Developer + AWS Cloud Engineer

Galaxy Technology

As a Backend Engineer and Team Lead, I crafted REST APIs and oversaw database management using Node.js with Express and Sequelize. My role extended to hosting essential services within AWS, employing tools like Lambda, API Gateway, AppSync, DynamoDB, SNS, and SQS. Collaborating closely with customers, I addressed change requests and implemented new functionalities, enhancing our services to meet evolving needs.

Node.js / Express / Sequelize / AWS / GraphQL / Python

EDUCATION AND PERSONAL PROJECTS

2022	NFarm Developed a basic MVP for a blockchain-based digital traceability system for cattle using NFTs and smart contracts, enabling farmers to ensure product quality and reduce food waste. Secured first place in the NFTs category.	Zencon International Hackathon
2019	Lung Cancer Detection System with AI - Damai Developed an MVP system using Convolutional Neural Networks and image processing to detect lung cancer in its early stages. Selected as one of the top 100 projects representing Mexico at Expo Science International in Abu Dhabi, UAE.	Expo Science International
2017 – 2020	Software Engineering Graduated with a 9.42 score.	Universidad Politécnica de Durango (UNIPOLI)