

Jehiel Martinez

Software Engineer

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Honduras

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<https://github.com/jehielmartinez>

Education

UNAH-VS
Industrial Electrical Engineer
2015

Key Skills

Full Stack Engineer
Team Lead
AWS Cloud Architect
Mobile App Development
CI/CD Pipelines

Certifications

[Solution Architect Associate](#)
[Github Actions](#)

As a software engineer, I specialize in **Cloud Engineering** and **DevOps**, focusing on scalable solutions that enhance operational efficiency. My expertise encompasses extensive work with **AWS** and **Azure**, where I have utilized tools like **AWS CDK** and **Pulumi** for Infrastructure as Code (IaC) to automate the provisioning and management of cloud resources.

My expertise also includes automating **CI/CD pipelines** for both **Android** and **iOS** applications ensuring efficient and hassle-free app store deployments

In addition to my cloud and DevOps experience, I have led the development of innovative applications using **React Native** and **ReactJS**. I also have a strong foundation in backend technologies, utilizing **NestJS**, **NodeJS**, **Docker**, and serverless architectures to deliver high-quality software solutions.

Experience

NOVEMBER 2020 - TODAY

Engineering Manager | Code Éxitos

Led the development of multiple small applications tailored for managing event attendees, games, trivias, and other event-related activities. Key technologies utilized included **ReactJS**, **ElectronJS**, **NestJS**, Docker, alongside automatic remote deployments facilitated by **GitHub Actions**

Led the migration of antiquated AWS infrastructure to a modern, scalable solution utilizing **AWS CDK** for **Infrastructure as Code**. Key technologies utilized in this project included **Docker**, Cloud Formation, **AWS Fargate**, and **AWS RDS**.

Led the development of a decentralized social media platform utilizing **React Native** and **NestJS** API, dockerized and deployed on Raspberry Pi SBCs and **AWS EC2** servers. Responsibilities included leading and building the project, constructing the AWS infrastructure with **AWS CDK**, and implementing deployment automation. The application was published to the stores using **Bitrise** and **Fastlane** for CI/CD.

NOVEMBER 2019 – NOVEMBER 2020

Software Engineer | Code Éxitos

Served as the Lead Engineer in developing an outdoor-social application utilizing React Native for frontend and **ReactJS** for the CMS, backed by **AWS Amplify**. Successfully published the application manually on both the App Store and Play Store.

Lead Engineer in creating a local marketing application for OSU students using **React Native**, published on the stores. Employed ReactJS for Backoffice management, with a backend using AWS Amplify services and **AWS Lambda** serverless functions.

FEBRUARY 2018 – NOVEMBER 2019

Full-Stack Developer | Freelancer

Developed a React Native application for controlling an **Arduino-based robot** designed for watering plants.

Developed a **React Native** application featuring various quick calculations and tools essential for the daily operations of a Coal-Based Power Plant, published locally as APK.