Miguel Angel Ardon

Senior Software Engineer

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PROFILE

Senior FullStack Engineer with 7+ years of experience engineering scalable web, mobile, and cloud-native solutions across Logistics & Supply Chain, Retail, and IT Consulting industries. Skilled in Node.js, NestJS, React, Python, and microservices architecture deployed on Azure and AWS, I have a track record in leading technical initiatives, integrating enterprise platforms while driving collaborative team workflows and cross-functional leadership.

WORK EXPERIENCE

CRC — **Honduras (Remote)**
Sr. Software Engineer — *Apr 2021 – Present*

Summary: Logistics and supply chain management company specializing in warehouse operations and cross-border transport systems.

- Architected a multi-platform logistics application suite using React Native, React, and Node.js to organize warehouse operations and prevent truck bottlenecks.
- Modernized corporate IT infrastructure by setting up secure Azure VPN links to U.S. headquarters and integrating SAP with internal WMS platforms.
- Automated employee onboarding workflows by engineering a credential generation system using Python, NestJS, and SQL Server.
- Orchestrated containerized microservices deployments on Azure using Docker and Kubernetes to ensure high availability for inventory systems.
- Integrated predictive analytics and AI capabilities into warehouse operations using FastAPI, NestJS, and the Claude API to detect stock discrepancies.
- Implemented event-driven architecture using Apache Kafka to stream real-time supply chain events and synchronize inventory data across distributed systems.

Techstack: *React, Nodejs, Nestjs, Next.js, React Native, Angular, Express, .NET, Python (FastAPI), Kafka, Microsoft SQL Server, PostgreSQL, MariaDB, Docker, Kubernetes, Azure, SAP, Claude API.*

Dynasoft — **Honduras (Remote)**
Full Stack Developer — *Sep 2019 – Apr 2021*

Summary: Software factory delivering custom enterprise applications and digital transformation solutions for corporate clients.

- Engineered a reliable payment processing system using Node.js, Express, and PostgreSQL to handle daily transactions across expanding store locations.
- Containerized applications using Docker and deployed cloud services on AWS (EC2, ELB, S3), setting up CloudWatch monitoring to ensure maximum system reliability.
- Developed responsive web and mobile application interfaces using React, Angular and Vue.js services tailored to client specifications.
- Built scalable backend services and RESTful APIs using Python and Django to support custom multi-tenant client applications in a fast-paced software factory environment..
- Designed database schemas and optimized SQL queries across PostgreSQL and SQLite for fast data retrieval.
- Developed cross-platform mobile features using Flutter and Dart, accelerating deployment across iOS and Android while conducting real-world usability testing to ensure smooth operational adoption.

Techstack: *Node.js, Angular, React, React Native, Vue.js, Python, PostgreSQL, SQLite, Docker, AWS (EC2, ELB, S3, CloudWatch)*

ADDITIONAL EXPERIENCE

Ideaworks - Software Developer | Web & Mobile (2018-2019)

Techstack: Node.js, Express, React, PostgreSQL, JavaScript, Dart, Android Studio, Flutter.

Code Store - Software Developer (2017 - 2018)
Techstack: Python, Django, React, PostgreSQL.

SIDE PROJECTS

Decentralized P2P Lending Platform

- Designed and built a peer-to-peer microfinance platform using Vite, Express, and MongoDB to remove financial intermediaries and lower transaction costs.
- Authored Ethereum and Hyperledger smart contracts to automate escrow operations, govern loan terms, and enforce user privacy via custom encryption models.

Techstack: Vite, Express, Node.js, MongoDB, Ethereum, Hyperledger, Smart Contracts.

Pharmaceutical Supply Chain Traceability System

- Architected an end-to-end medicine tracking platform using Next.js, NestJS, PostgreSQL, and Redis to verify product authenticity from manufacturer to consumer.
- Integrated the Claude API to analyze supply chain logs and deployed containerized services via Docker to ensure immutable batch traceability via QR codes.

Techstack: Next.js, NestJS, PostgreSQL, Redis, Docker, Claude API, Blockchain (Ethereum, Hyperledger Fabric, Polygon).

SKILLS

Languages: JavaScript, TypeScript, Python, Dart, SQL, Solidity

Frontend: React, Next.js, React Native, Flutter, Angular, Vue.js, Vite

Backend: Node.js, NestJS, Express, FastAPI, Django, .NET

Databases: PostgreSQL, Microsoft SQL Server, MongoDB, MariaDB, SQLite, Redis

Cloud & DevOps: AWS (EC2, ELB, S3, CloudWatch), Microsoft Azure, Docker, Kubernetes

Blockchain & Web3: Ethereum, Hyperledger Fabric, Polygon, Smart Contracts

Integrations & Tools: SAP, WMS, Claude API, Android Studio, Power BI, Atlassian

EDUCATION

Computer Systems Engineering **| UNITEC TGU**

Master in Business Analytics **| UNITEC SAP**

Master in Business Intelligence & Big Data Analytics **| EUDE Business School**

LANGUAGES

English: Highly proficient (C1)
Spanish: Native