

Emir Cruz Maldonado

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SUMMARY

Full-Stack Developer currently working as an AI Engineer, carrying a solid +4 years trajectory in developing and coordinating web, mobile and cloud based solutions with integrated AI at professional environments. Proficient in React, Next.js, Flutter, Python and Node.js. Certified by AWS at CCP, AI Practitioner, Solutions Architect and Developer Associate. AI Engineer Associate certified by Azure. Proficient at English with C1 level.

SKILLS

JavaScript, React, Next.js, Python, TypeScript, CSS/SASS, HTML, Flutter, TailwindCSS, SQL / NoSQL, Jest, Docker, GraphQL, Node.js, Git, AWS, GenAI, RAG, Azure, CI/CD Pipelines

WORK EXPERIENCE

MxMart Solutions

Full-Stack Developer

nov 2023 - Present

Zapopan, Jalisco

- E-commerce WebApp: Full-stack development with Node.js, Express, Lambda, MongoDB, React, Next.js, TypeScript, & Docker. Deployed NoSQL databases on dockerized virtual environments. Developed Front-end components with Tailwind.
- Invoice extractor with AI and OCR: Serverless document extractor solution for unstructured data on the Microsoft Azure's Cloud. Document Intelligence, OpenAI models, Azure Functions, App Service, Next.js, Python, GitHub Actions. Developed custom backend endpoints with Flask approach for the Azure functions. Error handling and modularization of application. Implemented reusable code. Implemented CI/CD pipelines for automatic front and back deployment.
- RAG ChatBot with generative AI in the Cloud: Participated in developing a full-stack serverless generative AI ChatBot as virtual assistant for educative institutions based on the Cloud with an OpenAPI Schema approach. Utilized AWS Bedrock with Claude LLMs, Bedrock Agents, Vectorial Knowledge Bases, Lambda, Amplify, API Gateway, S3, RDS. Node.js and Next.js. Full stack development and deployment of application.
- Educational mobile application: Created hybrid application with React Native. Configured and compiled with Expo. Implementation of global state management with Redux Toolkit and optimized data fetching with Tanstack React Query. Creation of reusable components based on static designs. Integrated backend APIs and error handling. Made documentation for the application. Creation of unit tests with Jest.

BrightCoders

React Native Mobile Developer

may 2023 - sep 2023

Colima, México

- ContratApp: Full-stack job finding app with the Tinder “swipe” mechanics. Team lead of the mobile developers; Implemented an agile methodology, version control and CI/CD of software. Developed a NoSQL backend and API with Firebase. Designed UI/UX prototypes with Figma. Utilized React Native, TypeScript, Redux Toolkit for mobile hybrid development.

FreeWay MX

Software Developer

oct 2021 - nov 2023

Colima, México

- FreeWay Mobile App Client: Hybrid CRUD app for managing freight status transport between carriers and clients. Developed 25% of the mobile front-end app using Flutter with Dart. Consumed GraphQL APIs. State management with Providers.
- FreeWay WebApp Dashboard: Web app dashboard for managing mobile app accounts approval. Participated in the front-end team with React.js, TypeScript, Chakra UI, Redis, NGINX. State management with Context API, consumed data with REST APIs.

EDUCATION

Degree in Software Engineering

Engineering Area

ago 2020 - ago 2024

CERTIFICATIONS

AWS Certified Developer - Associate

Amazon Web Services (AWS)

AWS Solutions Architect - Associate

Amazon Web Services (AWS)

Azure AI Engineer Associate

Microsoft

AWS Certified AI Practitioner (Early Adopter)

Amazon Web Services (AWS)