Robert Martinez Marenco

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Permanent Resident in Toronto, ON

Summary

Software Engineer with 3+ years of experience in designing and developing scalable full stack web applications and cloud-based backend microservices. Skilled at translating complex business requirements into robust, containerized solutions for high-demand platforms, using Python, React, TypeScript, and modern CI/CD practices. Known for being a quick learner who rapidly adapts to new projects and technologies. Seeking a challenging role in a fast-paced, collaborative environment that offers meaningful work and opportunities for continuous growth.

Work Experience

Software Engineer at Achievers, Toronto   *November 2022 - Present*

- Designed, developed, and maintained cloud-based Python microservices for a global B2B SaaS, utilizing Google Cloud services—such as gRPC and PubSub for service communication and Kubernetes (GKE) for scalable deployment.
- Created and maintained reasusable GraphQL endpoints, using Fastify, Node.js and TypeScript. These served as a gateway and data aggregation layer between gRPC microservice endpoints, legacy REST API endpoints and the front-end application.
- Implemented new components in our React front-end application —written in JavaScript—, following design guidelines and Figma prototypes provided by the Product and UX Design teams.
- Core developer on the marketplace team—responsible for a platform that processes 10+ orders per minute, and drove over $10M in revenue in 2024. Operated within an Agile Scrum environment and maintained highly available order processing and vendor integration services, resolving order and catalog issues promptly within SLAs.
- Contributed significantly to integrating external services APIs—such as Netsuite and Akeneo— into our platform to streamline business processes, improving efficiency in the product merchandising pipeline by 66.6%.
- Optimized database operations by migrating expensive MySQL queries to read-only replicas after identifying bottlenecks during execution. Increased performance in microservice endpoints by implementing caching layers using Redis.
- Implemented proof of concept for CI/CD pipeline optimization, by using a new Python package manager. This reduced build times by over 50% and was implemented for all services across the company.

Web Developer at Tecnoglass, Colombia   *November 2021 - November 2022*

- Developed multiple full stack web applications using Python, Django, HTML, CSS, and JavaScript, with PostgreSQL as the database. This was part of an initiative to reduce paperwork and optimize business processes.
- Developed a centralized RESTf API to handle authentication across multiple web applications, internally connecting to an LDAP Active Directory user database, using Flask and Python.
- Designed and implemented a temperature and humidity monitoring system in glass assembly plants using LoraWAN. Led the entire hardware selection, configuration, and installation process, and developed a real-time dashboard using Python, Django Channels, Websockets, HTML, JavaScript, and CSS.
- Played a major role in containerizing applications and deploying in bare-metal on-premise servers using Docker and Docker Compose.

Education

B.Sc. in Electronic Engineering from Universidad del Norte, Colombia   *Graduated March 2023*

- Graduated cum laude in recognition of the excellence of my final thesis and academic performance.

Skills

- **Languages:** Python, JavaScript, SQL, TypeScript, PHP, HTML, CSS.
- **Frameworks:** React, GraphQL, Flask, FastAPI, Django.
- **Cloud & DevOps:** Google Cloud Platform (GCP), AWS, DroneCI, GitHub Actions.
- **Technologies:** MySQL, PostgreSQL, Redis, GRPC, PubSub, Docker, Kubernetes.