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. Seeking a challenging role in a fast-paced, collaborative environment that offers meaningful work and opportunities for continuous growth. Known for being a quick learner who rapidly adapts to new projects and technologies.

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.
- Enhanced our domain-driven GraphQL gateway—written in TypeScript—and contributed to developing React micro-frontends—written in JavaScript—ensuring seamless integration between backend data and the user interface.
- 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 and APIs—such as Netsuite and Akeneo— into our platform to streamline business processes; the Akeneo integration improved efficiency in the product merchandising pipeline by 66.6%.
- Developed efficient data operations in microservices by writing and debugging MySQL queries, while leveraging Redis as a high-speed cache for requests and responses.
- Proposed using a new Python package manager (uv) as a proof of concept to accelerate package installations in our CI/CD pipelines, cutting overall build times by over 50%.

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 the digital transformation initiative to reduce paperwork and optimize various business processes.
- 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 & Frameworks:** Python, JavaScript, SQL, TypeScript, PHP, HTML, CSS, Flask, FastAPI, Django, React.
- **Technologies:** GRPC, PubSub, GraphQL, Docker, Kubernetes, CI/CD, DroneCI, GitHub Actions.
- **Cloud Providers:** Google Cloud Platform (GCP), AWS.
- **Databases:** MySQL, PostgreSQL, Redis.
- **Tools:** Git, GitHub, VS Code, Postman.