Rubén Buelvas

Software Engineer

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Software Engineer with 4+ years of experience specializing in RESTful APIs, Big Data pipelines, and high-traffic applications. Driven by curiosity, adaptability, and teamwork to build scalable, high-performance systems.

SKILLS

- **Programming Languages:** Golang, Python, Java, C#, C++, JavaScript (TypeScript).
- **Frameworks:** Gin Gonic, Flask, Spring Boot, Fast API, React.
- **Databases: SQL** BigQuery, Redis, MySQL, SQLite, PostgreSQL, **NoSQL** MongoDB.
- **Cloud:** Google Cloud, AWS.
- **Tools:** Git, Datadog, New Relic, Jenkins, Postman.
- **OS:** GNU/Linux, Windows, Mac OS.

PROFESSIONAL EXPERIENCE

Mercado Libre
Ssr Software Engineer. January 2023 – Present
Software Development Analyst. October 2021 – January 2023
Bogotá DC, Colombia

Search Engine Team: Responsible for the design, development, and maintenance of API features and data pipelines.

- Integrated microservices features using Hexagonal Architecture.
- Designed and developed software solutions in complex technical environments, balancing real-time data availability with application response times.
- Engineered data pipelines from data ingestion through to the implementation of application-level caches.
- Monitored deployments for high-traffic, high-criticality applications (handling approx. 15 million requests per minute).

- Performed unit and integration testing, coordinating across teams to ensure code quality.
- Participated in the full SDLC (POC, design, development, testing, review, deployment, and monitoring).
- Authored technical documentation for features and endpoint response changes for internal developers and cross-functional teams.
- Served as part of the On-Call rotation.
- Conducted GitHub code reviews to ensure quality, readability, maintainability, and test coverage.
- Supported the integration and deployment of Machine Learning models.
- **Key Achievement:** Reduced bug resolution time by approximately 50% by developing observability projects for the primary API.
- **Key Achievement:** Improved data pipeline performance by 20% through the re-architecture of multiple applications while enhancing code maintainability.
- **Key Achievement:** Designed the data model to integrate international shipping times into the search engine.

Tech Stack: Golang, Gin Gonic, Python, Poetry, Jupyter, SciKitLearn, Pandas, Fast API, Java, Spring Boot, Maven, HTML, CSS, JavaScript, TypeScript, React, REST, Git, GCP, GCS, BigQuery, Redis, BigQueue, AWS, S3, CI/CD, Jenkins, Docker, Jira, Confluence, GitHub, SCRUM, Datadog, New Relic, Postman, GNU/Linux.

Akuro SAS
Software Developer. July 2021 - September 2021
Software Developer. July 2020 - January 2021
Bogotá DC, Colombia

Development Team: Responsible for API design and maintenance. Designed database models based on client requirements.

- Participated in all phases of the software development life cycle for client-facing applications.
- Developed data backup tools and automated processes via web scraping scripts.
- Designed data models in collaboration with clients.
- Integrated payment gateways into the core platform.
- Executed unit and integration testing to ensure robust deployments.

Tech stack: Python, Flask, Jinja, Jupyter, Pandas, Scrapy, HTML, CSS, SASS, JavaScript, JQuery, REST, PostgreSQL, SQLite, MySQL, Git, Heroku, AWS, S3, Docker, GitLab, SCRUM, Postman, GNU/Linux.

EDUCATION

Systems and Computer Engineering, 2021
Universidad Nacional de Colombia

LANGUAGES

- English - IELTS 7.5
- French - DELF B2
- Spanish - Native

COURSES

Software Architecture & Design of Modern Large Scale Systems, 2023
Udemy

Data Science and Machine Learning: Making data driven solutions, 2022
Massachusetts Institute of Technology

Cybersecurity IT Fundamentals Specialist, 2020
IBM