

Joao Victor Oliveira Magalhaes

Senior Backend Engineer

contact@magalhaes.us | [LinkedIn](#) | magalhaes.us | +55 17 99663-0007 (UTC-3)

Summary

Experienced Backend Engineer with a proven track record in architecting and developing high-performance, scalable systems at Mercado Livre Brasil. Demonstrated expertise in building robust server-side applications handling over 100K RPM using Java, Python, Kotlin, and Go. Proficient in both SQL and NoSQL databases, with extensive experience implementing observability solutions using Grafana, Kibana, New Relic, and OpenTelemetry. Holds a Bachelor's Degree in IT and multiple technical certifications.

Passionate about collaborative environments where technical excellence meets human connection. I thrive in teams that value both cutting-edge technology and strong interpersonal relationships. My approach combines technical expertise with a commitment to fostering positive team dynamics, believing that the best innovations emerge when talented people work together in an engaging and supportive environment.

Experience

Mercado Livre Brasil (SWE)

Shipping Operation | 2024 - Present

My role centered around developing intricate backend systems to handle the daily operational demands of overseeing more than 2M shipments. Tasked with optimizing and refining data processing, I utilized Java and SQL databases, ensuring high performance and seamless functionality under expansive data flows.

Ensured continuous real-time monitoring and performance assessment of our shipping operations using Grafana, Datadog and New Relic. The systems I developed not only boosted efficiency but also offered key insights for strategic planning, significantly contributing to the company's productivity and technological advancement.

Shipping Dashboards | 2022 - 2024

- Developed complex backend systems for internal dashboards that handle over 100K RPM data
- Utilized Java skills and expertise in NoSQL databases for seamless data processing and performance management
- Implemented an event sourcing architecture for enhanced traceability
- Used Grafana, Datadog, and New Relic for effective system observability and real-time data visibility
- Led database migration from SQL to NoSQL to support new operational features and maintain top-notch performance and availability

Skills: Java, Kotlin, Python, Golang, Spring boot, SQL, NoSQL, Grafana, Kibana, Datadog, New Relic, Key Value Database, BigQuery

Software Developer | 2021 - 2022

Responsible for creating new functionalities and correcting eventual problems in the current applications of Mercado Envios using techniques related to the product and which allow the high availability and consistency of cutting-edge applications.

Technology Stack: Java, Python, GO, NGinX, Elasticsearch, Redis, Cloud Computing, Docker, Oracle, MySQL, NoSQL (DynamoDB)

Visual Systems

RPA Junior Developer | 2020 - 2021

With a solid track record in crafting and deploying RPA projects, I utilized Agile methodologies and tools like WDG Automation, IBM Automation, Python, and Selenium to enhance ERP systems automation for increased operational efficiency. My skills also extend to Oracle Database for effective backend data management.

Stack: WDG Automation, IBM Automation, Python, Selenium, Oracle Database

Education

FIAP

Bachelor's Degree, Information Technology | Jan 2022 - Dec 2024

Alura

Bootcamp Applied Data Science 2021 | 2020 - 2021

Certifications

- EF SET English Certificate C2 (82/100)
- Formation in Python - Alura
- Formation in Applied Data Science - Alura
- Formation in Statistics - Alura
- Formation in Data Science - Alura

- Formation in Machine Learning - Alura

Skills

- Programming Languages: Java, Kotlin, Python, Go
- Technologies: Spring Boot, Docker, Cloud Computing, NGinX
- Databases: SQL, NoSQL, Oracle, MySQL, DynamoDB, Redis
- Monitoring: Grafana, Kibana, Datadog, New Relic, OpenTelemetry
- Other: English, Agile Methodologies, Software Architecture, Platform Architecture