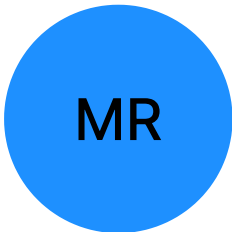# MATHEUS ROCHA CAPANEMA

Software Developer and AI Engineer

📞 +5561985519995   @ matheus.rocap@gmail.com   🔗 **Linkedin**   📍 Brazil

MR

SUMMARY

During my time as a developer, I delivered software following best programming practices SOLID, Clean Code, and Design Patterns), using the Java language and the Spring Boot framework. In addition to backend development, I also performed tasks related to front-end development, utilizing stacks such as JSF PrimeFaces), JSP, and Angular 2 . Furthermore, I worked with AWS cloud tools, messaging with Kafka in a microservices architecture, and CD/CI tools, as well as observability/logging solutions.
 Currently, as a data scientist, I perform analyses of governmental and financial data, such as Open Finance. Through these analyses, I provide insights and ML solutions to users of Sicoob's mobile platform, specifically through the Minhas Finanças module.

EXPERIENCE

AI Engineer

SICOOB

📅 2024 - Present   📍 Brazil

Brazilian Bank

- Developed an end-to-end solution for banking data classification, integrating processes from data collection to automation within Databricks.
- Designed and implemented robust pipelines using PySpark, beginning with data extraction from official sources such as the Federal Revenue, ensuring data quality and reliability.
- Performed data correlation, cleansing, and consolidation, segregating data into structured layers (bronze, silver, and gold) to facilitate consumption and analysis while maintaining best practices in traceability and governance.
- Actively contributed to the ML architecture by developing and training logistic regression models for the classification of banking transactions, ensuring the effectiveness and accuracy of the predictive process.
- Automated the entire workflow from data ingestion to batch updates in MongoDB creating efficient and scalable data pipelines within Databricks.

EDUCATION

Technician Degree - Software Development

IFB - Instituto Federal de Brasília

📅 2018 - 2021

Bachelor in Computer Science

IESB

📅 2021 - 2025

LANGUAGES

Portuguese
Native
●●●●●

English
Advanced
●●●○○

EXPERIENCE

Full Stack Developer

GlobalWeb

📅 2022 - 2024   📍 Brazil

Software House

- Maintenance of legacy systems using technologies such as JSF (PrimeFaces), JSP, Angular, Java Spring, and JBoss, ensuring the continuity of operations and the modernization of existing systems.
- Contribution to the architecture and implementation of front-ends using components, allowing for greater modularity and flexibility in front-end development.
- Optimization of web applications and APIs, resulting in significant performance improvements in both new and legacy systems.
- Execution of tests with JUnit and Mockito, ensuring the quality and robustness of the developed applications.
- Participation in the creation of a design system, promoting consistency and efficiency in the development of user interfaces.
- Knowledge sharing through workshops for interns on fundamental concepts of front-end, back-end, architecture, and best development practices, contributing to the technical growth of the team.
- Involvement from the conception to the deployment of strategic systems, ensuring the delivery of solutions aligned with business requirements.