

# Mapie Victorino Mamunhe – Software Engineer

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## Summary

Experienced Software Engineer with a track record of troubleshooting and solving complex software challenges. Skilled at designing and deploying innovative features to improve performance and functionality. A problem solver with exceptional collaboration skills. Key experiences include code review and pull requests, development and consumption of REST APIs, and DATABASE design and maintenance. Skilled in selecting appropriate libraries and technologies for integration of full-stack projects. Fluent in multiple programming languages and proficient in various frameworks and technologies. Strong understanding of the software development life cycle (SDLC) and excellent COMMUNICATION skills. A dedicated professional with a passion for creating intuitive and aesthetically pleasing user INTERFACES. Looking to leverage my skills and knowledge to contribute to a dynamic software engineering team.

## Professional experience

### FULLSTACK SOFTWARE ENGINEER

archTECH, August 2023 – present

Main Responsibilities:

- Review 80% of complex queries (VIEWS, SCHEMAS) for IBM DB2 ISeries for data migration from the core environment of banks following different specificities.
- Implement database-agnostic queries via Java Persistence API
- Document the client's requirements and processes for software implementation in banking environments, as well as for knowledge transfer;
- Generate core banking (BANKA) reports for reconciliation in another T24 core environment.
- Produce performance reports of BANKA routines producing *business intelligence* insights in terms of resources used, time spent and other comparisons.
- Review 40% of merge requests for Java and Typescript code hosted on Gitlab.
- Suggest performance improvements by implementing module and caching strategies for at least 2x speed increase in Java Spring backends for local and external calls to different banking web services.
- Intervene in a technical and formal way in collaborative environments for English-speaking employees.
- Prepare simulated test servers to mimic real-world responses and requests using Postman and applying Test Driven Development (TDD) in backend development with Java Spring.
- Prepare presentations for non-technical clients using PowerPoint and Google Slides
- Deliver daily (performance, meeting, and other) reports in MS Word and MS Excel

### INTERMEDIATE SOFTWARE ENGINEER

Siglonet, May 2023 – August 2023

Main Responsibilities:

- Produce dashboards for data analysis.
- Identify bottlenecks and minimize them by at least 30%
- Create 60% of project SQL queries using SQL queries and Eloquent ORM
- Produce and consume REST APIs for different purposes using PHP and Laravel
- Manage designed, managed, and deployed databases using AWS-based cloud services
- Develop applications end-to-end (fullstack) from concept, development, testing and deployment, configuring the necessary environment and picking 100% of the tech used, and paradigms to be applied in React and PHP Laravel.

## SOFTWARE ENGINEER

**Freelancer**, March 2019 - Current

Main Responsibilities:

- Perform software requirements gathering and management of design and testing processes based on the software development life cycle (SDLC)
- Implement 100% of queries for the MYSQL DBMS
- Perform table updates through migrations using different ORMs
- Explain in a non-technical way to Portuguese and English-speaking audiences technical specifications of the suggested solutions
- Provide presentations in English of solutions based on hybrid development and persistence agnostic technologies.

## JUNIOR SOFTWARE ENGINEER

**Academia Consultoria & Serviços Universo (ACSUN)**, November 2022 - March 2023

Main Responsibilities:

- Implement projects in a collaborative and agile environment for website development using HTML, CSS, JavaScript, JQuery and Bootstrap and PHP for backend.
- Prepare complex SQL query logic for MYSQL databases
- Apply fine-grained rendering strategies to components, improving code reuse and increasing performance
- Assist in usability, unit and integration tests of PHP pages;
- Develop desktop applications for biometric data capture using Python and Flask for backend

## Education

**BSC IN INFORMATION Systems and Technology Engineering, Specialization in Software Engineering**

- Joaquim Chissano University, February 2019 - October 2023

## Languages

- **Portuguese:** Native speaker.
- **English:** Fluent speaker and excellent writer.

## Skills

- **Languages and Technologies:** Java, C#, PHP, JavaScript, TypeScript, Python, HTML, CSS
- **Libraries and Frameworks:** Bootstrap, Tailwind, React, React Native, Spring Framework, Laravel, React Native, JHipster, Vemto
- **Source control:** Git, Github, Gitlab
- **Databases:** MySQL, SQL Server, IBM DB2 ISeries
- **Operating Systems:** Windows, Hackintosh, Linux (Mint, Ubuntu, KaliLinux)
- **Development Approach:** Agile (SCRUM, XP), Mobile First Frontend Design