

Mapie Mamunhe – Software Engineer

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Professional experience

IT Technician

Millennium bim (International Bank of Mozambique), November 2024 – Current

Main Responsibilities:

- **Development of dynamic** web pages using **.NET based frameworks such as Blazor** integrated with authentication systems and approvals for internal organizational processes.
- Creation of solutions focused on usability, **ensuring operational continuity and efficiency** of the department's activities.
- **Automation of diverse processes**, optimizing workflows and freeing up resources for strategic activities.
- Management and maintenance of SQL Server databases, ensuring the integrity and performance of stored information.
- Data engineering, with the protection and modeling of information to support the production of strategic reports.
- **Correction of responsiveness** bugs in graphical interfaces developed with web technologies and standalone applications, improving the user experience.
- Continuous updating of production solutions, focusing on improvements, stability and adaptation to business needs.
- **Identification of opportunities for automation**, simplification and computerization of processes, promoting greater efficiency and modernization of operations.

FULLSTACK SOFTWARE ENGINEER

archTech, August 2023 – November 2024

Main Responsibilities:

- Document customer requirements for software implementation in banking environments;
- Generate reports for reconciliation in the **Temenos Transact (T24) environment**.
- Implement RPGLE code performance improvement techniques **for the BANKA/AS400 core banking**.
- Deploy 70% of complex queries to **IBM DB2 Iseries databases**.
- Implement **groovy and bash** scripts to automate 100% of manual processes.
- Suggest BPM process improvements using **Business Process Modeling Notation** to reduce steps and improve steps in Bancassurance processes by more than 20%.
- Develop software solutions using **Java Spring boot and Angular** frameworks.
- Suggest performance improvements by implementing module and cache strategies for at least 2x speed increase on Spring backends for local and external calls to different banking web services.
- Refactor 80% of Angular code to meet **SOLID** best practices and principles of **TypeScript** and Angular.
- Run and fix **SQL queries** for data export;
- Prepare mock test servers to mimic real-world responses and requests using Postman and applying **Test Driven Development (TDD)** in backend development with **Java Spring**.

INTERMEDIATE SOFTWARE ENGINEER

Siglonet, May 2023 – August 2023

Main Responsibilities:

- Produce dashboards for data analysis.

- Assist in the implementation of prototypes using React, CSS, JavaScript, HTML, Bootstrap, Tailwindss, among other libraries
- Develop hybrid apps built for mobile devices using React Native
- Produce and consume REST APIs for different purposes using PHP and Laravel
- Identify bottlenecks and minimize them by at least 30%
- Create 60% of project SQL queries using SQL queries and Eloquent ORM
- Manage designed, managed, and deployed databases using AWS-based cloud services
- Selected appropriate libraries and open-source technologies for integration of Full Stack projects.

SOFTWARE DEVELOPER

Freelancer, March 2019 - Current Main

Responsibilities:

- Perform software requirements gathering and management of design and test processes based on the software development life cycle (SDLC)
- Answer questions concisely for non-technical audiences.
- Review system and software issues, evaluate troubleshooting options, and develop solutions.
- Propose intuitive, easy-to-navigate, and aesthetically pleasing user interfaces using JavaScript, NodeJs and Java based Frameworks.
- Optimize the usability and functionality of the software through the development of targeted algorithms.
- Fine-tune software features tuned to meet specific customer demands and hardware limitations.

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 the logic of complex SQL queries for MYSQL databases
- Apply refined rendering strategies to components, improving code reusability 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

**BACHELOR OF ENGINEERING IN INFORMATION TECHNOLOGIES AND SYSTEMS,
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, RPGL, Shell scripts, groovy
- **Libraries and Frameworks:** Bootstrap, Tailwind, React, React Native, Spring Framework, .NET, Laravel, React Native, JHipster
- **Modelling:** UML 2.0, BPMN
- **Source control:** Git, Github, Gitlab, Azure
- **Databases:** MySQL, SQL Server, IBM DB2
- **Development Approach:** Agile (SCRUM, XP), Mobile First Frontend Design