MARKUS FOURIE

SOFTWARE DEVELOPER

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Professional Summary

*Cum laude**** graduate and full-stack software developer specialising in systems design and maintenance. Experienced in developing scalable web- and enterprise solutions, including the Rimitso Resource Management Systems and the Afrisist Alarm Dashboard.

Always focused on building high quality, performance-driven systems, whilst supporting my teams and mentoring others, when needed.

A proficient Software Developer, eager to continuous learning and improvement, striving to become a leading Solutions Architect.

Professional Experience

Software Developer – Rimitso Mining Services – *Resource Management System (RMS)*   *Since* 2024 - Ongoing

- Architecting and developing an enterprise-grade asset management and operations system using C# and SQL Server. Implemented a complete multi-role access control system, and Tailwind-styled administrative Dashboards communicating to a RESTful backend API with its own Swagger documentation.
- Working with Rimitso Mining Services to automate and speed up business workflows across multiple sites, improving assets tracking efficiency and ensuring data consistency and reliability.

Software Developer – Afrisist – *Vehicle Alarm Monitoring Dashboard*   2025 Completed Limited Duration Project

- Developed a modern React-, Node.js-, Supabase (self-hosted) web application, alongside a colleague, for real-time vehicle alarm-data handling, using cron jobs, webhooks and Supabase real-time events, providing automated user assignments and status updates.
- Designed an intuitive UI/UX, with animated dashboards, live data-streams and modular back-end APIs for scalability.

Student Tutor – Varsity College   2023 to 2025

- Supported undergraduate first year students in IT and software development subjects, with a focus on application design, full-stack logic, and project structuring.
- Conducted one-on-one sessions to improve academic performance of students who are struggling with certain modules.

Education

Bachelor of Science in Information Sciences   Graduating at end of 2025

Varsity College – Pretoria, Republic of South-Africa

- ****Expected to be received *Cum Laude*, passing 19 of 20 completed modules to date with distinctions.
- 3 Modules of BSc. degree remaining, upon completion of final semester up to November 2025.
- Invited and joined as member of "*Golden Key International Honour Society*", since 2025.

Bachelor of Science in Physics and Mathematics   2020 (during Covid) to 2021

North-West University ("NWU") - Potchefstroom, Republic of South-Africa

- Passed 8 semester subjects, including 1 distinction.
- To be continued.

Core Technical Skills

Languages : HTML, CSS, JavaScript, TypeScript, C#, Java, Kotlin, SQL

Frameworks and Tools : React, Node.js, Express, .NET Core, Tailwind CSS, Docker, Azure, Supabase, Linux Server

Databases : PostgreSQL, SQL Server, Firebase, MongoDB

Other : Git, RESTful API Design, DaisyUI.