

MATIMU MABUNDA

Software Developer - Backend & Business Systems

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PROFESSIONAL SUMMARY

Software Developer with production experience building and maintaining backend systems, APIs, and automated business logic in C#/.NET and SQL Server. Currently responsible for an end-to-end recruitment platform (built on Microsoft Dynamics 365) live in production for a government department - from architecture decisions through ongoing incident response. Comfortable across the stack: server-side logic, client-side scripting, data modelling, and integrations.

CORE SKILLS

Languages & Backend: C#, .NET, ASP.NET Web API, REST, JSON, JavaScript (ES6+), SQL (T-SQL), Python (scripting)

Systems & Data: Microsoft SQL Server (query design, optimization, SSMS), business process automation, entity/data modelling, third-party API integrations

Testing & Reliability: Jest, automated test suite design, production incident triage and root-cause analysis, pre-deployment code review

Platform Experience: Microsoft Dynamics 365 / CRM customization (plugins, execute requests, form scripting) — applied here to build a government recruitment platform end-to-end

Tools: Git, GitHub, Docker

EXPERIENCE

Software Developer - Xiquel

Johannesburg, South Africa | February 2026 - Present

Responsible for backend development and production support for an end-to-end recruitment platform serving the Department of Correctional Services — vacancy creation through interviews, panel scoring, and offers, live in production.

- Built an automated interview-scheduling feature (C#/.NET, Ical.Net) that distributes scoring links and calendar invites to panel members automatically, eliminating manual coordination for every interview cycle.
- Refactored a legacy JavaScript codebase into a state-driven architecture and introduced its first automated test suite (Jest) — including full coverage of multi-tier approval logic — cutting regression risk on the platform's most business-critical workflow.
- Handle production support for a live government system: diagnosed and resolved cross-stack issues including backend exceptions, async race conditions, and SQL correlated-subquery bugs. One fix resolved a document-classification defect that had been silently blocking candidates from submitting applications.
- Built backend API integrations connecting a candidate-facing portal to core CRM data.
- Wrote and optimized SQL Server queries across recruitment data for reporting and root-cause investigations used in production incident response.
- Designed cross-client HTML email templates (including Outlook/VML fallbacks) for automated candidate and panel communications.

Volunteer Technical Mentor - WeThinkCode_

Johannesburg, South Africa | September 2025 - December 2025

- Mentored an incoming cohort of software engineering students alongside my own studies, supporting onboarding and technical growth.
- Led code pairing sessions and reviewed student submissions and commits, reinforcing software engineering best practices.
- Facilitated PechaKucha-style presentations to build mentees' communication and technical-storytelling skills.
- Partnered with the Student Performance team through standups and retrospectives to track mentee progress and escalate blockers.

EDUCATION

Occupational Certificate - Software Engineering

WeThinkCode_ | 2024 – 2025

Bachelor of Science - Computer Science (Major Coursework)

Rhodes University | 2018 – 2022