Mukelwa Hlatshwayo

Software Engineer

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PROFESSIONAL SUMMARY

Software Engineer with hands-on experience building and maintaining production systems in banking and financial services environments. Proven ability to design automation pipelines, reporting systems, and scalable integrations using .NET, SQL Server, SSRS, and Linx. Strong focus on system reliability, data processing, and backend architecture, with real-world experience delivering solutions for Nedbank and Discovery. Comfortable working across full-stack systems, including API design, background processing, and database optimisation.

CORE TECHNICAL SKILLS

Languages & Frameworks
- C#, .NET (ASP.NET Core, MVC, Web API), .NET MAUI (mobile development)
- Java, C++, SQL (T-SQL, SQL Server)

Systems & Tools
- SQL Server, SSRS (Reporting), Power BI (data visualisation)
- Twenty57 Linx & Stadium (enterprise automation)
- Azure (App Services, SQL Database),
- Git / GitHub
- BitBucket

Specialisations
- Backend & API Development, Queue-Based Processing Systems
- Process Automation & Integration, Reporting & Data Pipelines
- System Enhancements & Maintenance

PROFESSIONAL EXPERIENCE

Software Engineer — Digiata *Jan 2024 – Present*

Power BI DataHub (2026 – Present)
- Contributed to the foundation architecture (Phase 1) of a data platform used for reporting and analytics
- Designed and implemented UI components and enhancements (Phase 2)
- Worked on data flow pipelines and system performance improvements
- Played a key role in improving usability and data accessibility

Discovery — SmartPayments, SmartReports, SIA (Jul 2025 – Dec 2025)
- Delivered system enhancements and new features across financial platforms
- Worked on data processing and reporting workflows
- Supported production systems and ensured reliable system behaviour
- Contributed to continuous improvement of business-critical systems

Valuations Dashboard (Apr 2025 – Jun 2025)
- Built automation workflows using Linx (low-code integration platform)
- Delivered internal dashboards and data processing improvements
- Helped streamline internal reporting and operational workflows

Nedbank — Nitro System Enhancements & Migration (Jan 2024 – Mar 2025)
- Developed SSRS reports for business insights and decision-making
- Built automation processes to improve operational efficiency
- Contributed to system migration and enhancements
- Worked closely with stakeholders to deliver production-ready solutions

PROJECT EXPERIENCE

School Messaging System (Production-Style System)
Designed and built a multi-tenant messaging platform for schools.

- Architecture: ASP.NET MVC (Frontend), .NET Web API (Backend), SQL Server (Database)
- Implemented queue-based messaging system with background worker processing
- Bulk SMS/email sending with batching logic and a template engine with dynamic placeholders
- Reporting & audit logs — message tracking and delivery status
- Designed for scalability and reuse across multiple organisations

School Management System (2023)
Full system built with ASP.NET MVC (web), .NET Web API (backend), SQL Server, and .NET MAUI mobile app.

- Student management, data handling & reporting
- Mobile + web integration

EDUCATION

BSc Honours in Computer Science *2026*
University of Johannesburg

BSc Information Technology (Computer Science & Informatics) *2023*
University of Johannesburg

CERTIFICATIONS & TRAINING

- CFA Investment Foundations
- POPIA (Data Protection)
- Solution Design Workshop
- UX Workshop
- Testing Standards
- CSS & JavaScript

ACHIEVEMENTS

- Top 2 ISFAP Science Student (2022)

EARLY EXPERIENCE

Tutor — Langa High School *2018 – 2020*

- Tutored 100+ learners across multiple subjects
- Developed strong communication and mentoring skills