

Nhlanhla Malaza

Gauteng, Johannesburg

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SUMMARY

Intermediate Software Engineer with 3+ years of professional experience building scalable, high-quality web applications in enterprise and startup environments. Strong frontend expertise using modern JavaScript/TypeScript frameworks and solid backend experience with C# and the .NET ecosystem. Experienced in consuming and designing RESTful APIs, collaborating closely with designers and backend teams, and delivering responsive, performance-optimized user interfaces. Proven ability to work in Agile teams, contribute to CI/CD pipelines, and deploy applications to cloud platforms such as Microsoft Azure.

SKILLS

Frontend

Angular (v19), TypeScript, JavaScript (ES6+), HTML5, CSS3, SCSS Responsive & Mobile-First Design, REST API Integration

Backend

C#, .NET (Core / .NET 8), Entity Framework Core, Dapper, RESTful API Design

Databases

Microsoft SQL Server, PostgreSQL, MySQL

Cloud & Hosting

Microsoft Azure, Azure Functions, Azure DevOps, Docker (Containerized Services)

Tooling & Practices

Git (GitFlow & branching strategies), CI/CD Pipelines, Postman, VS Code, Agile/Scrum, Unit Testing (NUnit), Bash & PowerShell Scripting

WORK EXPERIENCE

Rysis Software

Software Engineer

Apr 2022 - Present

Gauteng, Johannesburg

- Developed and maintained modern web applications with a strong focus on frontend-backend integration using Angular/TypeScript on the client side and C# (.NET) services on the backend.
- Designed and consumed RESTful APIs in collaboration with frontend and backend teams, ensuring clean contracts and maintainable interfaces.
- Led development of scalable backend services using C# (.NET 8) and Entity Framework Core, supporting enterprise-level web applications.
- Improved application performance by optimizing SQL queries and stored procedures and leveraging Dapper for high-performance data access.
- Implemented CI/CD pipelines using **Azure DevOps**, enabling automated builds, testing, and deployments to **Microsoft Azure**.
- Contributed to migration of legacy systems to modern, cloud-hosted architectures using **Docker** and **Azure Functions**.
- Worked closely with UI/UX designers and QA teams to deliver responsive, user-friendly interfaces aligned with design specifications.
- Introduced unit testing and test-driven development practices using **NUnit**, improving code quality and long-term maintainability.
- Actively participated in Agile ceremonies including sprint planning, backlog refinement, daily stand-ups, and retrospectives.
- Mentored junior developers through code reviews, Git workflows, and clean coding principles.

- Led the design and development of AI-powered systems by building and orchestrating autonomous AI agents using **Python, FastAPI, Agno, and Ollama**, focused on cost-efficient, high-performance conversational workflows.
- Architected and integrated an **AI-driven WhatsApp chatbot** to replace expensive third-party APIs, delivering scalable customer interactions hosted on **Nebius Cloud** to leverage GPU acceleration.
- Designed and developed the **Dashboard API** using **Clean Architecture** principles with a strong emphasis on **SOLID**, ensuring maintainability, testability, and clear separation of concerns.
- Built and maintained modern web applications with seamless **frontend-backend integration**, supporting fintech dashboards and internal tooling.
- Implemented **event-driven architecture** for system-wide email messaging and asynchronous workflows, improving reliability and scalability across services.
- Integrated multiple **fintech payment and utility providers** including **Peach Payments, Ozow, PayShap**, and other platforms enabling airtime, data, electricity, and voucher purchases.
- Deployed and orchestrated applications using **Quave Cloud**, with automated delivery pipelines powered by **GitHub Actions** for the dashboard portal and backend services.
- Optimized system performance and operational costs through efficient API design, asynchronous processing, and GPU-accelerated AI workloads.
- Collaborated closely with product, design, and business stakeholders to align AI capabilities with real-world fintech use cases and customer needs.
- Mentored junior developers through architectural guidance, code reviews, AI system design best practices, and modern Git-based workflows

PROJECTS

Blanco on 7th – Premium Restaurant and Lifestyle Hub
Contributor

Jan 2026 - Present
Remote

- Designed and developed a **custom website and operational web application** to streamline club and restaurant workflows, including waiter order fulfillment and customer interactions.
- Built the **marketing website** using **React, Vite, and Tailwind CSS**, focusing on performance, branding, and mobile-first responsive design.
- Developed the **web application and API layer** using **Next.js** integrated with a **Python FastAPI backend**, supporting real-time order management and internal operations.
- Implemented secure **authentication and role-based access control** to support different user roles such as waiters, administrators, and management staff.
- Integrated backend services with **PostgreSQL** for transactional data storage and **AWS S3** for managing images and uploaded files.
- Designed and implemented **payment and transactional workflows** to support on-site and online ordering use cases.
- Deployed and hosted the full stack on **AWS**, applying cloud best practices for scalability, reliability, and performance.
- Optimized the platform for mobile and tablet usage, enabling waitstaff to efficiently fulfill orders and improve overall operational efficiency.

EDUCATION

University of Johannesburg
Bachelor of Science in Computer Science

Jan 2018 - Jul 2022

CERTIFICATIONS

Full Stack Web Development Bootcamp
Full Stack Web Development Bootcamp

Shopify Developer
Shopify Developer

TDD Fundamentals in C#
TDD Fundamentals in C#