MASHAOLE LETSOALO

Software Developer

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EXPERIENCE

Software Developer & Co-Founder

Zyma Systems

12/2025 - Present

- Co-founded a software agency engineering web, custom software, and internal systems for commercial clients
- Architect and develop core RESTful APIs, microservices, and business logic using C#, ASP.NET Core, and Entity Framework Core
- Built the backend for the Marcus Logistics System, powering ride-hailing, parcel delivery, live GPS tracking, and RBAC authentication
- Designed relational database schemas and optimized data access layers in Microsoft SQL Server and PostgreSQL
- Lead end-to-end development cycle from client requirements and UI integration to CI/CD deployment and production support

EDUCATION

Diploma in Information Technology in Software Development

Rosebank College, South Africa

02/2024 - 11/2026

- Relevant coursework: Programming (C#, Java), Systems Analysis & Design, Mobile & Web Application Development, Database Systems, Information Security, SDLC, and Software Quality and Testing

PROJECTS

StudyTrack – AI-Powered Study & Task Planner

https://github.com/LMS147/StudyTrack

- Developed a native Android application in Kotlin using Single-Activity Navigation, ViewBinding, Material 3, and Retrofit/OkHttp with JWT auth
- Integrated an LLM-powered AI study assistant (Groq/Grok API) converting natural language study prompts into scheduled calendar tasks
- Implemented dual-mode architecture: cloud REST synchronization and offline-first on-device store with XP gamification and automated GitHub Actions CI/CD

Contract Monthly Claim System

https://github.com/LMS147/Contract-Monthly-Claim-System-

- Built an ASP.NET Core MVC enterprise application with ASP.NET Core Identity authentication and role-based permissions for managers and users

SUMMARY

Software Developer and Co-Founder of Zyma Systems with hands-on experience building full-stack web applications, RESTful APIs, native Android apps, and desktop software. Skilled in C#, ASP.NET Core, Kotlin, and relational database design, with working knowledge of Java and Python. Focused on writing clean, maintainable code and delivering practical software solutions, while expanding expertise in API security, AI integration, and CI/CD.

TECHNICAL SKILLS

Programming Languages

C# , Kotlin , Java
Python , JavaScript , SQL , PHP , Bash

Backend & Web Development

ASP.NET Core 8 , NET Framework
RESTful APIs , Entity Framework Core
ASP.NET Identity , MVC Architecture
Retrofit 2 , JWT Auth , HTML5 / CSS3

Mobile, Desktop & AI

Android SDK , ViewBinding , MVVM
Room DB , Material 3 , WPF / XAML
LLM API Integration , Firebase Auth

Databases & Storage

SQL Server , PostgreSQL
Room DB , Oracle , MongoDB

DevOps, Tools & Practices

Git , GitHub Actions (CI/CD)
Visual Studio , Android Studio
VS Code , Linux / SSH , OOP
Cloudflare Tunnel , RBAC , SDLC

- Engineered claim lifecycle workflows, automated document validation, EF Core/SQL Server data persistence, and Excel/PDF reporting (EPPlus, ClosedXML, iText7)

FinTrack Pro – Multi-User Finance Tracker

https://github.com/LMS147/FinTrack_Pro

- Built an Android financial app in Kotlin (MVVM, Room DB) featuring secure auth, multi-currency support, receipt attachments, and collaborative Shared Wallets via invite codes

Cybersecurity Awareness Chatbot

https://github.com/LMS147/Cybersecurity_Awareness_Chatbot

- Created a C# WPF desktop app featuring an intelligent chatbot with Levenshtein distance fuzzy matching, custom sentiment detection, interactive quizzes, and logging

REFERENCES

1. **Khutjo Mamabolo**
   Co-Founder & CEO of Zyma Systems
   +27 74 632 4169
2. **Sandile Masango**
   Co-Founder & CFO of Zyma System
   +27 76 098 9319

CERTIFICATIONS

- **C# (Basic**) – HackerRank, 2025 Validated core C# fundamentals including OOP, data types, loops, and methods.
- **Java (Basic)** – HackerRank, 2024 Demonstrated understanding of Java syntax, OOP principles, and problem-solving.
- **JavaScript (Basic)** – HackerRank, 2024 Certified in JavaScript variables, functions, and logic. fundamentals,
- **Problem Solving (Basic)** – HackerRank, 2024 Tested algorithmic thinking and logical problem-solving through coding challenges.