



Mashaole Letsoalo

Backend Developer

CONTACT

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Professional overview

Aspiring **Backend Developer** with a growing foundation in both front-end and back-end development. Passionate about building responsive, user-friendly applications and continuously expanding technical skills. Currently developing with programming languages such as Java, C# and JavaScript, and learning frameworks and tools for real-world applications. Strong problem-solver with a collaborative mindset, quick to adapt, and eager to contribute to innovative tech solutions in Agile environments.

EXPERIENCE

Backend Developer

Zyma Systems (Co-Founder)

December 2025 – Present

- Co-founded Zyma Systems, a small software development company focused on building custom web solutions for clients.
- Led backend development for multiple client projects using **C#, ASP.NET Core, Entity Framework Core, and .NET Framework**.
- Designed and implemented RESTful Web APIs for web applications, including the **Marcus Logistics System** — a comprehensive transportation management platform supporting ride booking, parcel delivery, real-time tracking, and multi-user role-based access.
- Developed database architecture, business logic, and secure backend services using SQL Server and Entity Framework Core.
- Worked closely with frontend developers to deliver full-stack solutions from requirements gathering to deployment.
- Gained practical experience in real-world software development, client communication, project management, and maintaining production applications.

Key Technologies: C#, ASP.NET Core Web API, Entity Framework Core, SQL Server, .NET 8

EDUCATION

Diploma in Information Technology (Software Development)

Rosebank College, South Africa

Progress – Expected Completion: December 2026

Key Focus Areas:

- Programming Fundamentals (Java, JavaScript, C#, HTML, CSS)
- GUI Development (WPF, XAML)
- Systems Analysis and Design
- Software Development Life Cycle (SDLC)
- Web and Mobile Application Development
- Cybersecurity Awareness & Principles
- Database Management (SQL)
- Project Management

Relevant Coursework & Skills:

- Intermediate Web Development (PHP)
- Mobile Development (Kotlin)
- Database Management (SQL)
- Information Security
- Project Management

Projects

Cybersecurity Awareness Chatbot(Personal Project)

GitHub:

https://github.com/LMS147/Cybersecurity_Awareness_Chatbot

Developed a desktop WPF application that educates users on cybersecurity best practices through an interactive chatbot, quizzes, and practical tasks.

- Built an intelligent chatbot using **Levenshtein distance** for fuzzy matching and custom **sentiment detection** to deliver context-aware responses.

- Implemented a multi-strategy response engine handling emergency threats, exact/keyword matching, and conversation context.
- Designed a tabbed interface with Chat, Quiz, Task Manager, and Activity Logger modules.
- Created a comprehensive knowledge base covering key topics including phishing, ransomware, MFA, VPNs, and password security.

Technologies: C#, WPF (XAML), .NET Framework, Custom NLP algorithms.

Contract Monthly Claim System (Personal Project)

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

Developed a full-featured web application for managing monthly contract claims with role-based access, reporting, and document export capabilities.

- Implemented **user authentication & authorization** using ASP.NET Core Identity with role-based access control (Manager & User roles).
- Built complete **claim management** system (CRUD operations) with Entity Framework Core and SQL Server.
- Developed reporting and export features including **Excel** (EPPlus + ClosedXML) and **PDF** (iText7) generation.
- Designed and implemented MVC architecture with clean separation of concerns, services, and database seeding.

Technologies: ASP.NET Core 8, C#, Entity Framework Core, SQL Server, Identity, EPPlus, ClosedXML, iText7.

FinTrack Pro(Personal Project)

GitHub: https://github.com/LMS147/FinTrack_Pro

Developed a comprehensive personal finance management Android application with multi-user support and collaborative features.

- Implemented secure **user authentication**, multi-user data isolation, and **Shared Wallets** using invite codes for collaborative expense tracking.
- Built key features including expense/income tracking, budget management with progress bars, receipt attachments, and multi-currency support (ZAR, USD, EUR, etc.).
- Created an interactive dashboard and visual reports using **pie charts** (MPAndroidChart).
- Followed **MVVM architecture** with Room database for local data persistence.

Technologies: Kotlin, Android (ViewBinding + XML), Room Database, MVVM, MPAndroidChart, Material Design.

SKILLS

Technical Skills

- Programming: C#, Kotlin, Java, JavaScript, PHP
- Web Development: HTML, CSS, PHP, ASP.NET Core
- Mobile Development: Android (Kotlin)
- Desktop Development: WPF (XAML)
- Database: SQL, Entity Framework Core, Room Database
- Tools & Technologies: Git, Visual Studio, Android Studio, EPPlus, iText7
- Other: RESTful APIs, MVVM Architecture, Basic Cybersecurity Principles

Soft Skills

- Strong problem-solving and analytical thinking
- Excellent communication and teamwork
- Self-motivated with a strong ability to learn independently
- Time management and ability to work under pressure
- Critical thinking and adaptability

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 fundamentals, variables, functions, and logic.
- **Problem Solving (Basic)** – HackerRank, 2024
Tested algorithmic thinking and logical problem-solving through coding challenges.