

Mpilo Ndlovu

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Portfolio: <https://www.mpilo-ndlovu.online>

PROFILE SUMMARY

Self-motivated Full Stack Developer with hands-on experience in C#, .NET Core, SQL Server, and RESTful API development. I bring a full-stack mindset with additional hands-on experience in MERN stack, enabling effective collaboration across frontend and backend teams and deploying applications on AWS. Strong problem-solving abilities and a passion for creating user-friendly applications. Committed to continuous learning and excited to collaborate on impactful projects in a growth-oriented environment.

TECHNICAL SKILLS

- **Frontend:** React, TypeScript / JavaScript, TailwindCSS, Redux
- **Backend:** ASP.NET Core (C#), .NET 9+, Entity Framework Core, Node.js (Express.js), REST APIs, OOP, JWT Authentication
- **Databases:** PostgreSQL, SQL Server, MongoDB, Mongoose, SQL Queries, LINQ
- **DevOps & Cloud:** AWS (EC2, S3, Route 53, CloudFront, RDS), Git & GitHub, MongoDB Atlas, CI/CD, Docker
- **Methodologies:** Agile / Scrum, Unit Testing

WORK EXPERIENCE

BBD Software Development / Umuzi Academy

Full Stack Developer (April 2025 – March 2026)

- Built scalable UI components using React, React Native and TypeScript.
- Transitioned into full-stack development using ASP.NET Core & SQL Server.
- Participated in Agile development practices (Scrum).
- Wrote unit tests to ensure code reliability. - Improved code quality through peer reviews and debugging.
- Enhanced app responsiveness and implemented UX improvements.

Purple Cosmos (Pty) Ltd

Junior Software Developer Intern (February 2022 – April 2022)

- Developed full-stack features using ASP.NET Core, Entity Framework, React, SQL Server, and JQuery.
- Designed and implemented relational database models with SQL queries and LINQ. - Built and optimized REST APIs using OOP principles.
- Implemented JWT authentication in APIs.
- Worked within an Agile team and contributed to sprint deliverables.

PROJECTS

Khumbula — Medication Reminder Web App: Reminder web application sending SMS alerts for medication schedules. Includes JWT authentication and documented REST APIs.

Tech: React, Redux Toolkit, TailwindCSS, Node.js, Express.js, MongoDB, AWS (EC2, S3, Route 53, CloudFront), MongoDB Atlas, CI/CD, Docker.

Link: <https://www.khumbula.website>

Marry-Me — Virtual Marriage Simulation App: Functional platform simulating relationship interactions using OOP, EF Core, PostgreSQL, and JWT-secured APIs.

Tech: Gatsby, Redux Toolkit, .NET 9+, ASP.NET Core, PostgreSQL, AWS (EC2, S3, Route 53, CloudFront, RDS), CI/CD. Portfolio Website: Personal website showcasing projects and skills built with Gatsby and deployed on AWS with CI/CD.

Link: <https://www.marry-me.website>

EDUCATION

National Certificate in Information Technology

— Umuzi Academy (2021–2022)

National Senior Certificate (Matric)

— Maqhingendoda High School (2013–2015)