Mongezi Masombuka

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Pretoria (Tshwane) / Ekurhuleni

OBJECTIVE

Final-year Computer Science student passionate about software development, seeking to contribute to impactful tech solutions and grow as a full-stack developer.

EDUCATION

Diploma in Computer Science

Tshwane University of Technology — Pretoria — Final Year

Major Fields:

Software Engineering (Programming): Java, Java JEE (Servlets, JSP, EJB)
Mobile Development: Android (Java/Kotlin)
Business Analysis and Modelling: UML, BPMN, Agile methodologies, requirement gathering tools etc.
Database Development and Administration: Oracle, PL/SQL

TOOLS & TECHNOLOGIES

Programming Languages:
JavaScript, Java, Python, TypeScript, HTML, CSS, SQL, PL/SQL
Frameworks & Libraries:
Node.js, Express.js, Next.js, React.js, Tailwind CSS, Mongoose, Prisma, Django, Flask
Database Technologies:
Oracle, MongoDB, PostgreSQL, MySQL
Operating Systems:
Linux, Windows

PROJECTS

Property Pulse — Full-Stack Real Estate Web App
GitHub | Live Demo

Technologies: Next.js, MongoDB, Tailwind CSS, Cloudinary
- Developed a web app for browsing and managing rental property listings.
- Integrated Google OAuth using NextAuth.js for secure user authentication.
- Handled property image uploads via Cloudinary and built user dashboards.
- Designed responsive UI using Tailwind CSS and improved frontend-backend integration.

Book Summary API — Backend Project
GitHub

Technologies: Node.js, Express, MongoDB, Mongoose, REST API
- Built a RESTful API for managing book summaries with full CRUD functionality.
- Implemented secure user authentication and access control for protected routes.
- Practiced data modeling using Mongoose and tested endpoints with Postman.
- Strengthened skills in backend architecture and API design.

REFERENCES

Available upon request.