



LIBERTY ENGETELO CHAUKE

Software Engineer Intern | Full-Stack Developer | Computer Science Student

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PROFESSIONAL PROFILE

Motivated and curious Computer Science student completing a Diploma at Tshwane University of Technology with a strong foundation in full-stack development, web technologies, and software engineering principles.

Passionate about building scalable, user-centered applications using modern frameworks. Proven ability to write clean, maintainable code through real-world academic projects. Experienced in Agile collaboration, code quality practices, and continuous learning.

Eager to contribute to real-world projects, learn from experienced engineers, and grow as a developer. Available immediately for internship or graduate opportunities.

EDUCATION

Diploma in Computer Science (NQF Level 6)

Tshwane University of Technology

January 2022 – July 2026 (Completing)

360 Credits • Web Computing: 83% (Distinction)

Relevant Coursework:

Advanced OOP • Database Principles (SQL/PL-SQL) • Internet Programming (Java EE, Servlets, JSP, EJB) • Mobile Computing (Kotlin) • Software Engineering • Web Computing • Operating Systems (Linux) • Information Security • Software Project Management • Agile Development

CERTIFICATIONS

Completed

- ▶ Introduction to Career Skills in Software Development (LinkedIn Learning)
- ▶ Responsive Web Design (freeCodeCamp)
- ▶ Built & Hosted WordPress Websites (Coursera)
- ▶ Introduction to Networking — 87% (Coursera / NVIDIA)
- ▶ Java Spring Boot Web Development with Java

In Progress

- ▶ AWS Academy Cloud Foundations
- ▶ AWS Certified Developer Associate
- ▶ Monitoring, CI/CD & Deployment on AWS Cloud
- ▶ AWS Developer Essentials: Identity, Compute and Storage

ADDITIONAL INFORMATION

Languages: English (Fluent), Xitsonga (Native), Sepedi (Basic), isiZulu (Basic)

Nationality: South African

Remote Work: Equipped with reliable internet and workspace

Availability: Immediate (Flexible hours)

REFERENCES

Mr. Vuyisile Memani

Lecturer & Section Head, Computer Sciences

Tshwane University of Technology

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Additional academic and professional references available upon request.

TECHNICAL SKILLS

- › **Languages:** JavaScript, Python, Java, PHP, TypeScript, Kotlin, HTML5, CSS3
- › **Web Technologies:** HTML, CSS, React (learning), Node.js (familiar), Bootstrap, Responsive Design, RESTful Services
- › **Databases:** SQL (MySQL, PostgreSQL, SQLite), NoSQL basics, Database Design, Normalization, JDBC, JPA, JPQL
- › **Frameworks & Tools:** Java EE (Servlets, JSP, EJB), Git/GitHub, VS Code, NetBeans, GlassFish, WordPress, MVC Architecture
- › **Dev Practices:** Agile/Scrum, Code Reviews, Version Control, Testing & Debugging, OOP, Clean Code

TECHNICAL PROJECTS

Learner Management System

Java EE · Servlets · JSP · JPA · MVC

- Designed and built a full-featured student records management system with role-based access control, implementing clean MVC architecture and secure CRUD operations.
- Utilized JPA for database persistence, implemented data validation, and created scalable backend architecture following software engineering best practices.

Personal Expense Tracker

Java EE · EJB · JPQL · Bootstrap · GlassFish

- Developed a modular expense tracking application with responsive Bootstrap UI, demonstrating proficiency in frontend-backend integration.
- Implemented automated PDF report generation and optimized database queries using JPQL for efficient data retrieval and processing.

OPFA Case Management System Database

PostgreSQL · SQL · Database Design

- Architected a comprehensive database schema with normalized tables, implementing an RBAC security model and audit trail functionality.
- Created detailed technical documentation including ERD diagrams, demonstrating strong database design principles.

Daily Task Management System

PHP · MySQL · HTML · CSS · Bootstrap · JavaScript

- Developed a web-based task management system for tracking intern attendance and daily task submissions, enabling supervisors to monitor productivity.
- Implemented user authentication, responsive Bootstrap interface, and MySQL database, demonstrating full-stack development capabilities.

SASO Mobile App (TUT Industry Collaboration)

Agile/Scrum · Mobile UI/UX · GitHub

- Collaborated in an Agile team for TUT's mobile application, participating in sprint planning, daily standups, code reviews, and retrospectives.
- Contributed to UI/UX design, user testing, and version control using GitHub — demonstrating effective remote team collaboration.

KEY STRENGTHS

🧩 Strong Problem-Solving	🤝 Team Collaboration
🎯 Attention to Detail	⬆️ Proactive Attitude
⚡ Quick Learner	📚 Continuous Learning
🔧 Adaptable to Challenges	🗨️ Good Communication
📖 Independent Worker	🌐 Remote Work Ready
💡 Creative Thinking	👤 User-Centered Mindset