

# THEMBAMTSHELWANE.

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## SUMMARY.

Driven and skilled Software Developer with a BSc (Hons) in Electrical Information Engineering. I am advancing my expertise as a Software Developer Intern at Tshimologong, specializing in creating responsive, user-focused full-stack websites. I am committed to solving complex problems, growing my skills and expressing my creative aspects through code.

## EDUCATION.

Bachelor of Science in (Electrical) Information Engineering, 2024 University of the Witwatersrand, Johannesburg.

## WORKEXPERIENCE.

### Software Developer Intern.

*Tshimologong - Digital Innovation Precinct*

Johannesburg | July 2024 – Present

Katlego Molala | katlego@tshimologong.joburg

- Currently working as a frontend/full-stack web developer, focusing on creating responsive and dynamic websites using React, TypeScript, Tailwind CSS, NodeJS and Express.
- I am responsible for planning, managing, and implementing front-end and full-stack web projects
- I have gained experience in UI/UX design through designing frontend websites on Figma

### Full-Stack Developer.

*Freelance*

Online | Feb 2023 – Feb 2024

Philippe Ferrer | philippe.ferrer@wists.ac.za | 011 717 6865

- Independently developed two demos of Learning Management System (LMS) websites using React, NextJS, Chakra UI, and Firebase.
- The main feature is the Binary Tree format of the quizzes, which allows lecturers to pinpoint students' problem areas
- I improved my communication skills through in-depth and detailed project specification meetings with my client.

## **Teaching Assistant.**

*University of the Witwatersrand*

Johannesburg | Sep 2023 – Nov 2023

Stephen Levitt | [stephen.levitt@wits.ac.za](mailto:stephen.levitt@wits.ac.za) | 011 717 7209

- I assisted in marking and reviewing student labs and projects. Labs and projects were written in C++ and used SFML for graphics and Doctest for unit testing.
- Developed effective communication skills by conveying complex technical concepts to students. Concepts such as Object Oriented Programming, Unit Tests and MVC architecture.

## **SKILLS.**

### **Technical Skills.**

- Front-end Development: HTML, CSS, JavaScript, TypeScript, React, Next.js, Tailwind CSS, Context API, Zustand and Redux Toolkit.
- Back-end Development: Express, NodeJS, JWT and REST-full APIs.
- Version Control: GitHub.
- Database: Firebase and MongoDB.
- Figma and Trello.

### **Soft Skills.**

- Great communication skills, Problem-solving.
- Flexibility, Adaptability, Attention to Detail
- Creativity, Critical Thinking and Time Management.