Siphesihle Sibiya *Software Developer*

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PROFILE

A software developer with expertise in Java, JavaScript, Python, HTML, CSS, and Node.js. Recently completed studies in Software Systems Development, with practical experience in full-stack development, problem-solving, and collaborative project work. Passionate about building innovative solutions and adapting to new technologies.

SKILLS

Technical Skills
- **Programming Languages**: Java, JavaScript, Python, HTML/CSS
- **Web Development**: Front-end (HTML, CSS, JavaScript), Back-end (Node.js, Express)
- **Frameworks & Libraries**: Javalin, Node.js, Flask, Hugging Face, JUnit
- **Database Technologies**: SQLite, Relational Databases (RDBMS)
- **Development Practices**: Test-Driven Development (TDD), Version Control (Git), Agile methodologies

Soft Skills
- Problem-solving, collaboration, adaptability, quick learner, effective communication

EDUCATION

Systems Development   09/2023 – 12/2024
*WeThinkCode_* 🔗   Gauteng, South Africa
Expected Graduation: August 2025
Relevant Coursework and Experience:
- Specialized in **software engineering fundamentals**, including object-oriented programming (OOP), data structures, and algorithms.
- Developed skills in **problem-solving** and **agile development methodologies** through hands-on projects and team-based assignments.
- Gained practical experience in **collaborative software development**, including creating RESTful APIs, database management (SQLite), and full-stack applications.
- Completed technical assessments involving real-world scenarios to hone skills in programming, debugging, and system design.

BSc(Hons) in Hydrology and Water Resources Management   01/2017 – 07/2022
University Of Venda   Thohoyandou,
                                                                  South Africa

National Senior Certificate(Matric)   01/2012 – 12/2016
Njeyeza Senior Secondary School   Nelspruit,
Subjects: Mathematics, Physical Sciences, Life Sciences & Geograpy   South Africa

PROJECTS

Robot World (CLient-server Application) - Academic Project
- Developed a client-server system using Java and SQLite for data persistence.
- Created RESTful APIs with Javalin to handle robot commands (e.g., move, fire, reload).
- Implemented unit tests and API testing with Thunder Client for GET and POST requests.

Settle-up App
- Built a full-stack Settle-Up App using Java for the back-end and JavaScript for the front-end.
- Implemented Java models, controllers, and DAOs for handling user data and expense calculations.
- Created a responsive UI with HTML/CSS and JavaScript.
- Integrated local storage to save user data and provide real-time updates.

PowerPulse
- Developed a java app to generate loadshedding schedules and send alerts for power outages.
- Used JavaScript and HTML/CSS to build a responsive user interface.
- Integrated APIs to fetch real-time power outage data and email notifications for alerts.

Ai Text Summarizer
- Built an AI-powered text summarizer using Python and Hugging Face for NLP models.
- Leveraged Hugging Face Transformers to implement text summarization.