

Siphesihle Sibiya

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PROFILE

Highly motivated and analytical individual seeking a Junior Software Developer or Intern position to apply foundational programming knowledge and problem-solving skills. Eager to contribute to development projects, collaborate with experienced professionals, and learn cutting-edge technologies within a fast-paced environment.

SKILLS

Technical Skills

- Languages: Java, JavaScript, Python, HTML, CSS
- Frameworks: Spring Boot, Javalin, JUnit
- Databases: MySQL, SQLite, H2, Spring Data JPA
- Web Development: RESTful API Development, CRUD Operations
- Version Control & Tools: Git, GitHub, Maven, Postman/Thunder Client
- Development Practices: Agile Methodologies, Test-Driven Development (TDD)

Soft Skills

- Problem-solving, Analytical Thinking, Detail-oriented, Collaboration, Adaptability, Quick Learner, Effective Communication

EDUCATION

Higher Certificate in Information Technology (Software Development)

WeThinkCode_ 

09/2023 – 12/2024
Gauteng, South Africa

Gained a solid foundation in software engineering principles including OOP (Java), data structures, algorithms, and RESTful API development. Applied agile methodologies in team-based projects, focusing on practical problem-solving, version control (Git), and full-stack development.

BSc(Hons) in Hydrology and Water Resources Management

University Of Venda

01/2017 – 07/2022
Thohoyandou,
South Africa

National Senior Certificate(Matric)

Njejeza Senior Secondary School

01/2012 – 12/2016
Nelspruit,
South Africa

PROJECTS

Robot World (CLient-server Application) - Academic Project

- Led UAT and testing for a Java-based client-server system using SQLite. Designed test cases, reported defects, and collaborated on fixes. Developed RESTful APIs with Javalin to handle robot commands (e.g., move, fire) and validated endpoints using Thunder Client and unit tests.

Settle-up App

- Built a full-stack expense tracker using Java (backend) and JavaScript (frontend), featuring RESTful APIs, Java models, and DAO patterns to manage user and transaction data. Designed a responsive UI with HTML/CSS and integrated local storage for 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.

SchPark – Hackathon Winner (Upskilling for Teachers)

- Led backend development of a platform to help teachers upskill via curated resources.
- Focused on clean, modular code using Django's ORM and views.
- Project won 1st place in a team hackathon for solving educational challenges.

REFERENCES

Available upon request.