WIAN SANDENBERGH

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GitHub: https://github.com/Unknown-S48

Portfolio: https://unknown-s48.github.io/Portfolio/

PROFESSIONAL SUMMARY

Junior Software Engineer with 1000+ hours of hands-on programming experience and a strong foundation in API integration, full-stack development, and database management. Recently completed Occupational Certificates in Software Engineering at CTU Stellenbosch with high academic achievement. Adept at using modern languages (Python, Java, C#), Linux environments, and version control (Git) to build efficient, scalable software solutions.

TECHNICAL SKILLS

- Languages: Java, Python, C#, JavaScript, HTML, CSS, SQL
- Databases: MySQL, PostgreSQL
- Tools & Platforms: Git, GitHub, Linux (Terminal/File System), Django, Vue 3, API Management
- Core Competencies: API Development & Testing, Web Application Development, Database Design, Software Testing & Debugging, UI/UX Design

EXPERIENCE

BitBarn | Junior Software Engineer 2026 – Present

- Develop and design RESTful APIs, ensuring secure and efficient data flow.
- Conduct comprehensive testing of APIs to identify and resolve bottlenecks or bugs.
- Design and implement front-end interfaces to integrate seamlessly with the APIs.

Code Loom (Integrated Learning) | Software Engineering Intern 2026

- Executed website testing and debugging to ensure optimal functionality.
- Documented software problems and wrote scripts to automate troubleshooting processes.

Stellenbosch University IT Department (Integrated Learning) | Software Engineering Intern 2025

- Developed a voting web application featuring user EXPERIENCEaccount creation, group management, and live real-time result tracking.
- Designed and managed the backend database architecture for secure data handling.

OBIS Hermanus (Integrated Learning) | IT Specialist Intern 2024

- Assisted in point-of-sale (POS) installations and system configurations.
- Designed UI elements for POS software and created digital advertisement materials.
- Shadowed senior IT staff to support daily technical operations.

CTU College (Integrated Learning) | Software Developer Intern 2024

- Collaborated in a team environment to design and develop a Property Sales Website from scratch.

PROJECTS

Real-Time Voting Web Application | Stellenbosch University

- Built a web app allowing users to register, join groups, and vote.
- Implemented real-time result displays and a secure database for data integrity.

Property Sales Website | CTU College

- Developed a functional website as part of a team, focusing on front-end design and backend integration.

EDUCATION

CTU Stellenbosch | Stellenbosch, Western Cape Occupational Certificate: Software Engineer (Level 1 & 2) | 2024 – 2026 (Pending Final Results)

- Key Modules: Software Design (100%), Programme and Deploy Applications (97%), Core Web Development (84%), Programming with Python (84%), Database Design (82%).

System Development Certificate | CTU College | 2024

- Completed coursework in Computer Architecture, Cloud Fundamentals, and Robotic Development.

Hermanus High School | Hermanus, Western Cape National Senior Certificate (Bachelor's Pass) | 2019 – 2023

CERTIFICATIONS & ADDITIONAL TRAINING

- CompTIA A+ (Udemy)
- 100 Days of Code: Python (Udemy)
- Intro to Delphi Programming (20 hours) - School of IT