

ShambachSimiyu

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SUMMARY

Innovative Software Engineer with a bachelor's degree in Telecommunications and hands-on experience in full-stack development. Proven ability to design, develop, and deploy scalable web applications. Strong technical skills combined with a passion for problem-solving and innovation. Eager to contribute to impactful projects.

SKILLS

Technical Skills:

- HTML, CSS, JavaScript, ReactJS, Python, SQL, Firebase, Django, FastAPI, .NET (C#)
- Server Management/Configuration, Deployment, Computer Networking

Soft Skills:

- Problem-Solving, Attention to Detail, Communication, Teamwork

EXPERIENCE

Fellowship Program | Teach for Kenya

Jan 2024 - Present

- Provided teaching and instruction to students, enhancing their academic performance and engagement.
- Demonstrated leadership in community projects, fostering a collaborative environment and addressing local educational needs.
- Initiated and led the **ImarishaSTEM** project to promote STEM education and digital literacy in underserved schools in Kisumu
- Spear headed a coding club for students, equipping them with digital literacy skills such as programming and problem-solving.
- Mobilized the school community to actively participate in digital literacy initiatives, fostering inclusivity in learning.

AI-Powered Developer Bootcamp | Bridge for Developers (Impact Africa Network)

March 2025 – May 2025

- Completed a 6-week hands-on program focused on AI-assisted software development using tools like ChatGPT, GitHub Copilot, and Claude.
- Designed and developed **CoSavr**, a full-stack group saving and lending web app empowering communities to manage contributions, withdrawals, and loans transparently.
- Used **React, Flask, Python, PostgreSQL, TailwindCSS, JavaScript, Axios**, and other modern tools for frontend and backend development.
- Implemented features like group and role management, transaction tracking, loan eligibility and approval workflows, and real-time notifications.
- Built responsive dashboards and analytics with role-specific views for members and admins.
- Graduated top of the cohort* — **CoSavr** was selected as the **best project of the program**.

Full Stack Developer | SEPA Program - Jenga School, Nairobi

May 2022 - Dec 2023

- Executed coding, debugging, and unit testing resulting in the successful completion of multiple projects.
- Led the design, development, and deployment of scalable web-based user interfaces and components using HTML, CSS, JS, ReactJS, Python, Django, and other relevant technologies

IT Intern | Onfon Media Limited, Nairobi

Jan 2023 - April 2023

- Assisted in networking and IT support departments, gaining hands-on experience and contributing to project milestones
- Led the development of an SMS short-code-based dating application, implementing innovative solutions to meet project requirements using FastAPI, SQLAlchemy, MySQL, ReactJS, Axios, and AWS.

EDUCATION

Certification in Software Development <i>Power Learn Project</i>	Sep 2022 - Nov 2022
<ul style="list-style-type: none">Covered Python Programming, Web Technology, Dart Programming, Entrepreneurship, and Personal Development (Soft Skills)	
Bachelor of Science in Telecommunications <i>Kabarak University</i>	2019 – 2023
<ul style="list-style-type: none">Relevant Coursework: Programming Fundamentals, Data Communication and Networking, Database Management, Telecommunications, and Digital Signal Processing.	
Kenya Certificate of Secondary Education <i>St. Mary's Kibabii Boys High School</i>	2015 - 2018

HOBBIES & INTERESTS

- Coding Challenges
- Open-Source Contribution
- Learning New Technologies
- Hiking

LANGUAGES

- English (Fluent)
- Kiswahili (Fluent)