

Samson Olusegun

Software Engineer

Experience Summary: A results-driven Software Engineer with a proven track record in translating business needs into efficient technical solutions. Specializes in Typescript, Rust, Python, and Cloud Development, with a keen interest in Bitcoin. Committed to continuous learning and innovation, actively engaged in both tech, and non-tech communities. Passionate about mentoring and fostering growth.

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TECHNICAL EXPERIENCE

Mavapay Digital Solutions, US – Software Engineer (Remote) Dec 2024 – Present

- Architect and manage scalable backend infrastructure, ensuring high availability and performance for payments systems.
- Implement proactive monitoring, alerting, and incident response processes, reducing downtime by 30%.
- Optimize cloud servers, networks, and databases to achieve cost savings and improved system reliability.
- Collaborate with CTO to design secure, high-performance backend architecture and product roadmaps.
- Develop backend systems on the Bitcoin protocol, enabling seamless crypto-based transactions.

Chaincode Labs, US – Open Source Developer (Remote) Mar 2023 – Dec 2024

- Engineered and maintained backend infrastructure for Bitcoin Dev Project platform, improving query response times by 40%.
- Designed and built a transcript review system for knowledge based applications, increasing engagement and usability for bitcoin developers.
- Built cost-efficient deployment pipelines, reducing release time and improving reliability.
- Integrated Lightning Network features (L402, sat rewards) to enhance micropayment processing.

Kernel Systems, Nigeria – Technical Lead (Remote, Part-Time) Oct 2022 – Present

- Led backend architecture design and code reviews, ensuring engineering best practices and maintainability.
- Delivered Bitcoin-powered payroll infrastructure supporting multi-currency settlements.
- Automated deployment pipelines to streamline release cycles and reduce operational overhead.

Helgg, Nigeria – Lead Backend Engineer (Remote, Part-Time) Aug 2022 – May 2023

- Built IoT-enabled e-scooter mobility backend systems, enabling real-time fleet monitoring.
- Defined API standards, CI/CD workflows, and infrastructure-as-code practices for engineering teams.
- Reduced operational issues through robust error handling and observability tooling.

Qala Dev, Nigeria – Bitcoin Protocol Developer Intern (Remote) Jan 2021 – Jul 2021

- Researched Bitcoin and Lightning protocols; contributed to open-source Bitcoin development projects.
- Implemented Bitcoin testnet experiments and supported hackathons to improve Lightning adoption.

Adekunle Ajasin University, Nigeria – Web Developer Jan 2021 – Jun 2021

- Developed student portal web applications to automated student request across departments.
- Conducted QA testing and bug resolution, reducing student service downtime.
- Collaborated closely with the lead web developer, ensuring rigorous testing and quality assurance of web applications.

OTHER EXPERIENCE

Propel, Germany – Technical Jury (Remote)

Nov 2022 – Jan 2024

- Conducted 200+ technical interviews, improving candidate quality scores by 15% for client acceptance.
- Standardized evaluation frameworks, cutting review cycles by 20%.

Tech4Dev, Nigeria – Frontend Development Consultant (Contract)

Aug 2022 – Jun 2023

- Designed and delivered a modern frontend engineering curriculum for 200+ trainees.
- Created training resources and assessments that boosted trainee graduation rates.

EDUCATION

Adekunle Ajasin University Bachelor of Science in Economics

December 2015 - April 2021

SKILLS

Programming Concepts	HTML / CSS / Javascript Typescript / Python / Rust / Bitcoin Script / Zig
Web Frameworks	Design Implementation / Test-Driven Development / Microservices / Monolithics
Database Tools	Angular / NodeJs / AdonisJs / Express / Actix / Svelte / Axum MySQL / Firestore / MongoDB / PostgreSQL / DynamoDB Git / PowerApps / Docker / TravisCI / Kubernetes / Terraform / Github Actions / Ansible / Pulumi
Data Processing	Google Colab / Google Data Lab / Azure Data Studio / Microsoft Power BI / Eviews / SPSS / Excel
Cloud	Google Cloud Platform / Azure / AWS / Heroku / Oracle Cloud

INTEREST

Data / Bitcoin / Movies / Traveling

LANGUAGES

English / Yoruba / French (Beginner)

PROJECTS

Serverless Veeds

[Github](#)

Developed to illustrate video sharing using serverless architecture within GCP ecosystem

Tweet Annotator Helpers

[github-gist](#)

Developed to annotate and classify text (tweets) extracts using Twitter API, to further subject to sentiment analysis.

Udagram

[github](#)

An image-sharing web app. Implementing a set of resources on the AWS cloud environment using various stacks such as Kubernetes, RDS, S3, Cloudformation, Amplify, Docker, Nodejs and Ionic/Angular

CERTIFICATE

Cloud Developer Nanodegree - Udacity