

DZAH SOLOMON

❖ dzahsolomon@gmail.com ❖ [GitHub](#) ❖ (+233) 59 493 5223 ❖ [LinkedIn](#) ❖ [Portfolio](#)

EDUCATION

University of Ghana, Legon

Expected graduation date: July 2027

Degree: BSc. Computer Science

GPA: 3.8 / 4.0

Relevant Courses: Software Engineering, Data Structures & Algorithms, Computer Architecture, Databases

SUMMARY

Backend-focused Software Engineer skilled in building secure, scalable systems, with experience spanning full-stack development and AI applications.

SKILLS

- **Programming languages:** Python, Java, JavaScript, TypeScript, SQL
- **Frameworks & Libraries:** Node.js, Express, FastAPI, React, Prisma, Tailwind, Jest, Pytest
- **Development Tools:** Git/GitHub, VSCode, Docker, PostgreSQL, Redis, Linux, Supabase
- **Concepts & Techniques:** OOP, API Design, System Design, DevOps (CI/CD), Caching

EXPERIENCE

[MerryLow \(Campus Food Delivery\)](#) - Accra, Ghana

November 2024 - present

Backend Engineer

Node, Express, PostgreSQL, Prisma, Redis

- Designed & deployed REST APIs powering dozens of transactions and orders daily with 99.9% uptime.
- Optimized database performance through PostgreSQL schema tuning and integrated Redis caching to improve response times during peak usage.
- Streamlined CI/CD with GitHub Actions, reducing release cycle time by 40% through automated deployments.

[A2SV \(Africa to Silicon Valley\)](#) - Accra, Ghana

January 2025 - present

Software Engineering Fellow

- Ranked #2 in A2SV Ghana (G60 cohort) out of 60+ fellows, based on algorithms and system design performance.
- Solved 300+ advanced algorithmic problems using Python and Java to enhance problem-solving skills.
- Built scalable, production-grade systems in team projects, applying clean architecture, CI/CD, and best engineering practices.

PROJECTS

SafestCode | React, Typescript, Nodejs, Express, Python, AI

[\[Live\]](#)[\[Github\]](#)

- Developed an AI-powered code analysis tool supporting multiple languages, detecting common security vulnerabilities in real-time (<2s per scan).
- Designed modular architecture and interactive UI with automated fix suggestions, boosting developer efficiency and code security.

ProxyPhish | Javascript, React, Nodejs, Express

[\[Github\]](#)

- Built real-time phishing detection system leveraging API-driven URL analysis and risk scoring.
- Achieved 95% detection accuracy in real-time API-driven testing, with responsive UI for reporting and visualization.

Crop Doc - Team Project | FastAPI, Supabase, AI/ML

[\[Live\]](#)[\[Github\]](#)

- Developed backend for an AI-powered crop disease detection app, supporting 10+ real-time scans daily.
- Implemented image analysis pipeline with FastAPI + ML inference, cutting diagnosis time from minutes to seconds and improving farmer decision-making.

EXTRACURRICULARS & LEADERSHIP

- **Clubs:** A2SV (Africa to Silicon Valley) - Active contributor to team projects and technical discussions.
- **Interests:** Building Scalable Systems & Secure Architectures, AI & Intelligent Automation, Cybersecurity Awareness & Ethical Hacking, Open Source Development, Hackathons, Personal Projects, Chess, Blogging