

Solomon Owusu-Ansah

📍 Kumasi, Ghana ✉ owusuansahsolomon39@gmail.com ☎ +233 599171142 💻 in/solomon-owusu-ansah 🌐 github.com/solo0722; oasolomon.vercel.app

SUMMARY

Highly motivated and results-oriented **full-stack software developer** and **data scientist** with 4+ years of experience and a proven ability to design, develop, and deploy innovative web and mobile applications. Experienced in collaborating effectively with cross-functional teams to deliver high-quality solutions that meet user needs and enhance overall user experience. Possesses a strong understanding of both front-end and back-end development, along with expertise in data analysis techniques. Eager to contribute technical skills and analytical insights to a challenging role in a fast-paced environment.

EXPERIENCE

Fullstack Developer (Web and Mobile)

SpringKnight Limited

September 2024 - present, Hatton Garden, London, EC1N 8LE, United Kingdom

- Contributed to the creation of the **SchoolDesk Guardian Edition application**, a mobile application for guardians to stay connected with their child's educational progress through intuitive design and functionality.
- Engaged in the development of the **SchoolDesk Staff Edition**, a mobile application for staff to provide them with essential resources to efficiently manage their educational responsibilities.
- Conducted comprehensive training sessions for schools, teaching 90+ facilitators and guardians of wards in school which use SchoolDesk, to proficiently navigate and utilize SchoolDesk. These sessions boosted user confidence and contributed to a 60% increase in platform adoption.

Frontend Developer / Mobile Developer (Intern)

Asqii LLC.

September 2023 - January 2024, New York, United States

- Spearheaded the design and implementation of a comprehensive exam feature within **SchoolDesk** (<https://app.schooldesk.cc>), a school management system, enabling users across mobile and web platforms to seamlessly create, administer, and monitor exams. This innovation increased exam administration efficiency by 40%, streamlining the process for educators and students alike.
- Developed and integrated a robust in-app messaging system for SchoolDesk, facilitating seamless communication and boosting user engagement by 30%. This feature significantly enhanced the platform's overall user experience by enabling real-time interactions.
- Diagnosed and resolved over 12 critical bugs and performance issues across SchoolDesk's mobile and web applications, which enhanced system stability and reduced crash rates by 20%, delivering a more reliable experience for users.
- Executed thorough testing procedures on both mobile and web applications, identifying and documenting over 100 bugs and inconsistencies. This proactive approach ensured a 20% improvement in platform quality and functionality, aligning with user expectations.
- Conducted comprehensive training sessions for schools, teaching 100+ facilitators and guardians of wards in school which use SchoolDesk, to proficiently navigate and utilize SchoolDesk. These sessions boosted user confidence and contributed to a 60% increase in platform adoption.
- Collaborated closely with cross-functional teams, including design, development, and support, to ensure a cohesive and integrated user experience within SchoolDesk. This cross-team alignment improved project efficiency by 25% and ensured the platform met diverse user needs effectively.

Frontend Developer (Intern)

JLS Trading Co.

September 2022 - December 2022, Charlotte, North Carolina, United States

- Conducted comprehensive testing for the **Omniscio inventory management system** (<https://omniscio.com/login>), identifying and resolving over 50 critical bugs, which improved system stability and reduced user-reported issues by 30%, resulting in a smoother user experience.
- Integrated backend data into the **Omniscio inventory web app**, achieving a 98% success rate in data synchronization between frontend and backend components. This integration enhanced the app's real-time functionality, contributing to a 20% improvement in data processing speed.
- Engaged in consistent communication with cross-functional teams at **Omniscio**, facilitating alignment on project goals and reducing project completion time by 15% through enhanced collaboration and streamlined workflows.

Frontend Developer (Intern)

JLS Trading Co.

September 2021 - January 2022, Charlotte, North Carolina, United States

- Contributed to the **Feature Tracker System** that captured and tracked over 100 new feature requests, leading to a 25% increase in user satisfaction with the Omniscio System by implementing high-priority features based on user feedback.
- Created and optimized the form for the **Feature Tracker**, resulting in a 40% increase in user submissions. This streamlined process enabled users to submit feature requests and feedback with 30% less time, significantly boosting user engagement and direct input into the development pipeline.

EDUCATION

BSc. Computer Engineering (FIRST CLASS HONOURS)

Kwame Nkrumah University of Science and Technology • Kumasi, Ashanti Region – Ghana • 2024 • 3.83

General Science

KNUST Senior High School • Kumasi, Ashanti Region – Ghana • 2019

PROJECTS

SchoolDesk

SpringKnight Limited • schooldesk.cc • September 2021 – Present

- **Spearheaded the design and implementation of a comprehensive exam feature** within [SchoolDesk](https://app.schooldesk.cc) (<https://app.schooldesk.cc>), a school management system, enabling users across mobile and web platforms to seamlessly create, administer, and monitor exams. This innovation increased exam administration efficiency by 40%, streamlining the process for educators and students alike.
- **Developed and integrated a robust in-app messaging system** for SchoolDesk, facilitating seamless communication and boosting user engagement by 30%. This feature significantly enhanced the platform's overall user experience by enabling real-time interactions.
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CampusEase

Bsc. Computer Engineering Final Year Project • campusease.vercel.app • January 2024 – July 2024

- **CampusEase** is a mobile platform developed to connect KNUST students with local service providers, offering services like laundry, grooming, and academic support. The app features an intuitive interface, secure payments, and a rating system, streamlining access to essential services while enhancing convenience and fostering entrepreneurship within the campus community.
- **Led a team of 3 as the full-stack developer** on a final-year project from January to July 2024, successfully delivering the application within the project timeline.
- **Built the frontend using React Native**, ensuring cross-platform compatibility for iOS and Android, which increased potential user reach by 50%.
- **Utilized Firebase as the backend**, achieving real-time data updates and reliable authentication for over 50 simulated users during testing phases.
- **Coordinated with team members and service providers on campus as well as the students**, facilitating clear communication and achieving project milestones on schedule.

SKILLS

Hard Skills: JavaScript (Proficient), CSS (Proficient), HTML (Proficient), TypeScript (Proficient), React JS (Proficient), React Native (Proficient), Electron (Intermediate), Redux (Proficient), Python (Proficient), Numpy (Proficient), Matlab (Proficient), Next JS (Proficient), FastAPI (Intermediate), Node.js (Proficient), MongoDB (Proficient), SQL (Proficient), Flutter (Proficient), Firebase (Proficient)

Soft Skills: Problem Solving, Critical Thinking, Collaboration, Communication

Languages: English

Field of Interest: Software Development, Data Science

CERTIFICATIONS

AWS Academy Graduate – AWS Academy Introduction to Cloud Semester 2

Amazon Web Services (AWS) • 2024

- [Link to Certificate \(https://www.credly.com/badges/b75bbcce-17de-4c3f-ac65-b7757afef5da/linked_in_profile\)](https://www.credly.com/badges/b75bbcce-17de-4c3f-ac65-b7757afef5da/linked_in_profile)
- Skills Acquired: Cloud Computing, AWS CloudFormation, AWS Microservices

AWS Academy Graduate – AWS Academy Introduction to Cloud Semester 1

Amazon Web Services (AWS) • 2024

- [Link to Certificate \(https://www.credly.com/badges/1067f9e1-38c3-408f-a3d2-039c6366d80d/linked_in_profile\)](https://www.credly.com/badges/1067f9e1-38c3-408f-a3d2-039c6366d80d/linked_in_profile)
- Skills Acquired: Cloud Computing, AWS Lambda

AWS Academy Graduate – AWS Academy Cloud Foundations

Amazon Web Services (AWS) • 2024

- [Link to Certificate \(https://www.credly.com/badges/b60494cd-94a6-410e-943b-ff3f7457b7c0/linked_in_profile\)](https://www.credly.com/badges/b60494cd-94a6-410e-943b-ff3f7457b7c0/linked_in_profile)
- Skills Acquired: AWS CloudFormation

Network Technician Career Path

Cisco • 2024

- [Link to certificate \(https://www.credly.com/badges/03b20bfa-d29e-4ecb-ae2b-906ad6245ee9/linked_in_profile\)](https://www.credly.com/badges/03b20bfa-d29e-4ecb-ae2b-906ad6245ee9/linked_in_profile)
 - Skills acquired: Network Security, Network Administration, Virtual Private Network, Network Protocol Design
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