




JOSHUA R. AKANGAH

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EDUCATION

University of Ghana
BSc. Computer Science

August 2018 – August 2022
Legon, Ghana

TECHNICAL SKILLS

Languages: Python, JavaScript, TypeScript, Golang

Developer Tools: VSCode, Windows, Linux, MacOS

Technologies/Frameworks: GitHub, ReactJS, NextJS, NodeJS, ExpressJS, Git, Mongo, Postgres, React Native, TailwindCSS, Flask, Django, FastAPI, Gin, PostgreSQL, Redis, REST, GraphQL, Jest, Arduino, PyGame, Docker, Expo, Google Cloud Platform, gRPC

EXPERIENCE

PurpleWave Auction

Jan 2024 – Present

Full Stack Engineer

Remote

- Facilitated effective communication and collaboration with stakeholders to ensure the successful delivery of high-quality software products.
- Implemented automation features within a script to streamline accounting operations, specifically targeting revenue data entry tasks for month-end close processes, resulting in several hours saved.

Insurerity Digital

Oct 2020 – Dec 2023

Frontend Engineer — Team Lead

Remote

- I led the development of our B2B dashboard, delivering a 30% boost in user-friendliness and efficiency and migrated the large codebase to NextJS.
- Developed a new company site which directly led to a 70% surge in client engagement, as confirmed by Google Analytics. This transformation drew in a fresh wave of potential clients and investors.
- Cut payroll processing times by more than half by developing a full stack application suite that handles automated payrolls reliably without reliance on long paper trails.
- Created a ReactJS component library for both internal and client applications, saving countless labor hours and enhancing work efficiency by enabling reusable UI elements.
- Drove a significant enhancement in event logging and error visibility through the successful implementation of a high-performance logging microservice.
- Engineered an end-to-end framework alongside workflows to streamline frontend infrastructure management, encompassing code, build pipelines, and releases, which notably elevated developer productivity.

ELiTE Education

Jul 2020 – Oct 2020

Software Engineer Intern

Remote

- I contributed to building a frontend application for an educational software platform. This platform automates a significant part of student and academic administration processes.
- Applied knowledge I gained from learning Salesforce to develop a feature rich LMS API used in K12 education.

IGNIS Technologies






Feb 2020 – Jul 2020

Software Engineer Intern

Remote/Spintex, Accra

- I worked on a full stack application aimed at digitizing the shuttle system at the University of Ghana. The application introduced a cashless method for students to pay for campus shuttle trips.

PROJECTS

- **Purple**  | Built a personal budget & finance tracker for personal use, with React Native
- **Bolt React Native**  | Built a clone of the Bolt Food mobile app in React Native & TailwindCSS
- **Gorth**  | An interpreted programming language based on a stack machine model
- **Finance**  | An arcade brick breaker game with infinite levels.
- **Biometric Attendance**  | An embedded system to utilize biometrics in recording student attendance