BENJAMIN POWELL

Accra, Ghana | +233(0)502560550 | [LinkedIn](#) | [Portfolio](#) | [benjaminpowell24@gmail.com](#) | [GitHub](#)

PROFILE

Software engineer knowledgeable of data structures and algorithms, software engineering best practices and handles them with ease. I am goal-oriented, a quick learner and a natural leader, committed to crafting impactful solutions.

SKILLS

- **Software (Proficient)**: JavaScript, Python, Java, C, C++, PHP, React, Redux, Node.js, Express, JQuery, GraphQL, Flask, MySQL, Postgresql, MongoDB, Firebase, AWS, Fly.io, Redis, Docker, Kubernetes, Machine Learning (Tensorflow, Keras, Weka)

EDUCATION

Legon, Accra   **University of Ghana, Legon**   *09/2018 – 10/2022*

- **Single Major**: Computer Engineering, B.Sc.
- **Programming Coursework**: Data Structures and Algorithms with **C++**, Object-oriented programming with **Java**, C programming, Database Systems, Computer Architecture, Artificial Intelligence, Computer Vision and Robotics.

EXPERIENCE

Senior Full-Stack Engineer   **Kingdom Technologies, Accra, Ghana** *(Remote)*   *02/2023 – Present*

- Developed and maintained a web app that monitors and logs the temperatures of production plants in real-time with live charts for data analytics and report views, which led to an **80% reduction** in process downtime.
- **Reported directly to CTO:** Utilized LinkedIn, Twitter, and Meta's Graph API to develop a cross-platform social media management feature for a client management platform, leading to a **25% increase** in customer satisfaction.
- Leveraged knowledge in **JavaScript**, **React**, **Redux**, **Node.js**, **Express**, **MongoDB**, **Flutter**, **Firebase**, and **Postgresql**.

Full-Stack Engineer   **Softcodes International Ltd, Accra, Ghana** *(Remote)*   *07/2021 – 01/2023*

- Developed and maintained an internal blogging platform that improved search engine visibility and website traffic, leading to a **67%** increase in sales leads.
- Continuously collaborated with UI/UX team to implement responsive front-end designs, significantly improving user experience.
- Leveraged knowledge in JavaScript, JQuery, PHP, and MySQL, CSS/SCSS, Bootstrap.

Software Engineer, Intern   **Progpharma Digital Ltd, Accra, Ghana** *(Remote)*   *06/2021 – 08/2021*

- Utilized DailyMed API to develop a **medication search feature** for Progpharma Online Pharmacy App ([Android](#) / [IOS](#)), enabling users to find information such as drug usage, interactions with other medications and dosage, providing a knowledge base for users to make informed decisions.
- Successfully developed a **prescription verification feature** that requires users to upload a legal medical prescription in image(PNG, JPEG) or PDF format, improving the medication prescription verification process by **40%**.
- Leveraged knowledge in Flutter, Firebase, JavaScript, JQuery,

PROJECTS

Smart Walking Cane for the Visually Impaired

- Led a team to design and develop a prototype for an indoor/outdoor smart walking cane that navigates users by giving audio feedback using a **deep learning chainer algorithm** for image processing, Open Street Maps API, and **ultrasonic and infrared sensors** to trigger the process upon obstacle detection.
  Utilized: **Python**, **Raspberry Pi**, **Open Street Maps API**, **Chainer**, **Infrared,** and **Ultrasonic sensors**.

Amazon Clone E-commerce Web App

- Developed an e-commerce app identical to Amazon, enabling credit card payments with Stripe API. Leveraged React for UI, Node.js for the backend, and Firebase for authentication, storage, and hosting. Checkout is disabled on the hosted version ([here](#)). Utilized: **ReactJs**, **Express**, **Node.js**, **Firebase**, **Stripe Payment API**

CERTIFICATIONS

- FreeCodeCamp - JavaScript Data Structures and Algorithms ([Click Here](#))
- MongoDB University - MongoDB - Node.js Developer Certification ([Click here](#))
- DevTown - Full Stack Web Development Certification ([Click Here](#))
- Google - Back-end Web Development with JavaScript&Node.js