

# Baah Lawrence Darko



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Ghana

## SUMMARY

Software Developer with over 5 years of experience in Java/JS, C++, React and React Native, Python. Experienced in leading and collaborating with teams in Agile environments. Notably, I worked on a research project that received a \$15 million funding from USAID, serving as a key member of the development team. Proficient in machine learning and AI, Django, data structures, Git, MySQL, algorithm design, and web/app development.

## EDUCATION

### B.Sc. in Physics (Computing Option)

Kwame Nkrumah University of Science and Technology



2017-2021



Kumasi, Ghana

## EXPERIENCE

### Senior Software Engineer



2023 - ONGOING



INVENT SOLU., Amsterdam (Netherlands)

- Software Development Engineer at Invent Solutions, working on critical projects and multiple products at scale
- Building generational products using cutting-edge Cloud platforms such as Google Cloud and Amazon Web Services
- Anticipating customer needs and empowered to act like an owner, act and innovate
- Versatile, displaying leadership qualities and enthusiastic about taking on new problems across the full stack
- Designing and writing source code to implement End-to-end Customer experience on Invent products in collaboration with UX/UI Design teams
- Creating and developing quality and admission controls for software that are deployed on Cloud platforms: Google Cloud, Amazon Web Services and Microsoft Azure
- Supporting Site Reliability Engineering Teams in the creation of Pipelines to collect and assess data
- Working with the Solutions Build and Site Reliability Engineering team to establish robust engineering practices to maintain the quality of products.

### Team Lead and Scrum Master



2022 - ONGOING



CARISCA Lab, Kumasi (GH)

- Led a team of adept programmers in developing innovative solutions to supply chain problems in Africa
- Successfully ideated and developed game-based learning solutions resulting in a 25% increase in adoption rates of supply chain solutions in Ghana and beyond
- Gamified supply chain concepts to make learning easy and fun

## SKILLS

Machine Learning & AI • Git & GitHub

Data Structures • MySQL • AWS

Algorithm Design • Web & App dev

## PROGRAMMING & FRAMEWORKS

Python • C++ • Java • HTML & CSS •  
React • JavaScript • React Native •  
Django

Development & Operations

Agile • Scrum

## PROJECTS (• Done ->Next Project \*Ongoing)

### • Modeling the Calendaring Process of a Li-ion battery using Machine Learning



2020 - 2021



KNUST, KUMASI

Support Vector Regression-based model for predicting electrode properties

### • A School Management System



2019



KNUST, KUMASI

<https://www.kbbintl.com/>

A full-stack school management system that has different login outputs for the administrator, staff and students

### • A P2P online market system



2019



KNUST, KUMASI

Facilitates marketing among persons

### • Store Management System

Desktop app (refer to GitHub)

### • Slack Clone

<https://www.slack-clone-proj-779f9.web.app>

### • Netflix Clone

<https://lawrenceflix.netlify.app/>

## Teaching and Research Assistant

 2021 - ONGOING  KNUST, Kumasi (GH)

- Facilitated discussions and tutorials, assisting students in understanding their course
- Graded course assignments, projects, and lab assignments
- Maintained accurate records and distributed reading materials for students
- Improved student performance by 15% through effective teaching methodologies

## Senior Developer

Luminosity Lab  2020 - ONGOING  Tempe, Arizona (USA)

- Designed and built algorithms that provided solutions to multiple problems
- Authored code fixes and enhancements for inclusion in future code releases and patches
- Maintained mobile applications and other interesting projects
- Contributed to USAID and CARISCA meetings resulting in successful project development

## Web and Mobile App Developer (Freelancer)

Accra  2019 - ONGOING  Accra, Ghana

- Provided software solutions to corporate institutions, schools, and individuals
- Modified existing software to correct errors and improved its performance
- Trained users or clients to use new and modified software
- Increased revenue by 20% through effective client management

## Lead Developer

Tek-devisal  2019 - ONGOING  KNUST, Kumasi (GH)

- Led the development of a noise pollution control device in the region's capital Kumasi, Ghana, for the Kumasi Municipal Assembly (KMA)
- Created a website for the organization
- Executed different projects that benefited society and improved livelihoods
- Improved operational efficiency by 30% through effective team management

## Instagram Clone

Mobile app (refer to GitHub)

### \* Amazon Clone

### \* Tinder Clone

### -> Spotify Clone (Mobile)



## STRENGTHS

- **Critical Thinking and problem solving**
- **Teamwork and Collaboration**
- **Professionalism and strong work ethics**
- **Oral and Written Communication skills**
- **Leadership**

## LANGUAGES

English – Native Language  
Spanish – Beginner

## CERTIFICATION

 2021  Kumasi, Ghana

Optic Fiber Splicing - Johvic FiberTech Solutions