Baah Lawrence Darko

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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

Full-Stack Engineer

2023 - ONGOING   PAYSWITCH Co. Ltd, Accra (GH)

- Spearheaded the end-to-end development of the innovative payment link application, yielding a substantial 30% enhancement in transaction efficiency and maintaining an unblemished record of zero security breaches.
- Drove the creation and implementation of a groundbreaking Buy Now Pay Later (BNPL) platform for Access Bank, propelling a remarkable 30% surge in transaction volume and establishing a remarkable 80% reduction in default rates, underpinned by a finely tuned credit assessment algorithm.
- Assumed a pivotal role in maintaining Telapay, a software responsible for supporting the functionality of MomoPOS – a cutting-edge mobile Point-of-Sale (POS) system. Demonstrated a 25% reduction in app instability, perpetuating an exceptional 4.1/5 user satisfaction rating and over 10,000+ downloads on play store.
- Pioneered an enriched culture of continuous improvement within the development team, culminating in a substantial 20% boost in team productivity via meticulously conducted workshops and mentorship initiatives.
- Collaborated seamlessly with UX/UI designers, synergizing technical and visual elements to drive a significant 15% increase in user engagement and elevate the overall user experience.
- Demonstrated an innate proclivity for research and technological integration, resulting in a remarkable 25% enhancement in overall system performance, solidifying the company's technological infrastructure.

Senior Software Engineer (contract)

2022   IINVENT SOLU., Amsterdam (Netherlands)

- Software Development Engineer at IInvent Solutions, working on critical projects and multiple products at scale

SKILLS

Machine Learning & AI • Git & GitHub

Data Structures • MySQL • AWS

Algorithm Design • Web & App dev

PROGRAMMIG & FRAMEWORKS

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

Development & Operations

Agile • Scrum

PROJECTS (• Done -> Next Project *Ongoing)

Visit portfolio

• 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/

- Achieved remarkable results by building cutting-edge generational products using Cloud platforms like Google Cloud and Amazon Web Services.
- Demonstrated a proactive approach by anticipating customer needs and taking ownership, leading to continuous innovation and customer satisfaction.
- Showcased versatile leadership skills by tackling diverse challenges across the entire software stack.
- Drove end-to-end customer satisfaction by designing and implementing high-quality source code in collaboration with UX/UI Design teams, resulting in exceptional customer experiences.
- Creating and developing quality and admission controls for software that are deployed on Cloud platforms: Google Cloud, Amazon Web Services and Microsoft Azure
- Contributed significantly to Site Reliability Engineering Teams by establishing data collection and assessment pipelines, enhancing operational efficiency.
- 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)

- Directed a proficient team of programmers in the conceptualization and execution of inventive resolutions targeting prevalent supply chain challenges across the African region.
- Formulated and executed strategic concepts for game-based learning solutions, yielding a commendable 25% upswing in adoption rates for the supply chain interventions both within Ghana and its extended sphere of influence.
- Skilfully imbued supply chain principles with gamified elements, imparting an intuitive and enjoyable learning experience that effectively demystified intricate concepts.
- Played an instrumental role in fostering favourable developmental outcomes for Ghana and the broader African context through the delivery of impactful supply chain innovations

Senior Developer

Luminosity Lab 🖩 2020 - 2022 📍Tempe, Arizona (USA)

- Formulated and constructed intricate algorithms addressing a spectrum of challenges, exemplifying proficiency in algorithmic design and problem-solving
- Authored code fixes and enhancements for inclusion in future code releases and patches
- Diligently upheld the operational integrity of mobile applications and diverse engaging projects, employing meticulous oversight and swift troubleshooting
- Played an integral role in pivotal engagements with USAID and CARISCA, fostering productive dialogues and collective efforts that culminated in the successful realization of project objectives.

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

Instagram Clone
Mobile app (refer to GitHub)

* Amazon Clone

* Tinder Clone

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

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)
- Pioneered the establishment of a comprehensive organizational website, seamlessly aligning digital presence with strategic objectives
- Successfully executed a diverse array of projects that generated tangible societal benefits and elevated overall quality of life within targeted communities.
- Realized a substantial 30% enhancement in operational efficiency through adept team leadership, fostering optimal synergy and resource utilization across multifaceted initiatives.