Solomon Ampomah
Full-Stack Developer

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Objective

Versatile Full Stack Developer with over 5 years of experience in designing, developing, deploying, and maintaining dynamic web applications. Proficient in Javascript, Python, and database management, with expertise spanning both front-end and back-end technologies. Skilled in leveraging machine learning algorithms and AI-driven solutions to address real-world business challenges. Experienced in cloud computing and building scalable, high-performance systems. Passionate about continuous learning and innovation, I am dedicated to delivering impactful solutions and driving success within a collaborative development team.

Education

MSc Artificial Intelligence and Data Science
University of Hull
09/2022 – 01/2024 | Hull, England

BSc Computer Science
Kwame Nkrumah University of Science and Technology ↗
09/2015 – 06/2019 | Kumasi, Ghana

Work Experience

10/2022 – present
Remote, USA

Software Developer
Invisible Technologies Inc.

- Developed automation scripts to enhance data processing efficiency for data migrations.
- Implemented data caching mechanisms, reducing database queries and improving overall system performance.
- Developed, tested, and debugged custom Python modules utilized by clients and internal customers to facilitate an easier process and user experience.
- Actively contributed to process improvement, simplifying and enhancing deployment processes for new features and functionality within the team.
- Innovatively crafted Python APIs, facilitating seamless integration of ERP data with independent e-commerce platforms, contributing to enhanced cross-platform functionality.
- Collaborated closely with different teams to produce practical solutions that aligned seamlessly with business objectives.

| 07/2019 – 09/2022 | **Software Engineer (Team Lead)** |
| Accra, Ghana | *THE QUANTUM GROUP LIMITED* |

- Developed a reporting app, and a discharge app for station managers on the field to report daily fuel sales, report discharged products into tanks, and report faulty equipment to headquarters.
- Developed high-performance microservices using Flask, integrated with Keycloak for secure user authentication, Kafka for real-time event streaming, and Celery for distributed task processing.
- Developed ML models to predict the annual sales of fuel for each station under the company
- Developed Odoo modules to be used at the headquarters to receive and analyze reports coming from station managers and also modules used by departments like treasury, finance and accounting, and marketing.
- Provided technical support for ERP modules developed.

Skills

Programming Languages
JavaScript, Python, Java, Kotlin, Swift, Dart

Frontend Development
React (TypeScript), Next.js, Vue, Tailwind CSS, Bootstrap

Mobile Development
React Native, Flutter

Backend Development
Node.js, Express.js, Django, Flask, FastAPI

Databases
SQL (MySQL, PostgreSQL) and NoSQL (MongoDB, Firebase)

APIs
REST, GraphQL, SOAP

Platforms
Linux and UNIX, Windows, Android, AWS services such as S3, ECS

Automation / Build
Docker, Ansible, GIT, Airflow, Azure DevOps Server, Google Cloud, AlertManager, Grafana, Vercel

Message Queues
Kafka, RabbitMQ

Testing and Code Quality Tools
Cypress, Jest, SonarQube

Projects

Laundry Management System
Engineered a robust and user-friendly **laundry management application** using **Next.js**, **Tailwind CSS**, **Node.js**, **Prisma**, and **PostgreSQL**. The system efficiently handles **customer orders**, tracks clothing items, and **notifies customers** when their laundry is ready for pickup. Additionally, it provides **administrative analytics and detailed reports**, enabling data-driven decision-making and improved operational efficiency.