Ellise Grant Boamah *Software Engineer*

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Professional Experience

Project Manager/Frontend developer   2024/11 – present
Nexura Inc   Remote, Ghana
- Collaborated with a team to develop responsive, user-friendly interfaces for the **Calabash Royals** and **ChromaWear** websites using HTML, CSS, JavaScript, and React.
- Oversaw project timelines, coordinated tasks, and facilitated communication between team members and clients.
- Contributed to UI improvements, cross-browser compatibility, and overall user experience.

Cloud Engineering Intern   2024/09 – 2025/01
AmaliTech Service GmbH   Kumasi, Ghana
- Completed extensive hands-on labs and practical exercises as part of the AWS Restart program to build solid cloud computing skills.
- Trained in core AWS services including compute, storage, networking, and security fundamentals.
- Prepared for and successfully passed the AWS Cloud Practitioner certification exam.
- Collaborated with the team on cloud-related tasks, applying best practices in AWS architecture and deployment.

Mursi Bioscience   2024/01 – 2024/04
Data Science Intern   Accra, Ghana
- Worked with the team to source, clean, and preprocess healthcare datasets for analysis.
- Conducted exploratory data analysis (EDA) to extract insights and support research decisions.
- Documented data pipelines and findings to aid model development and reporting.

Frontend Intern   2023/08 – 2023/12
Klips   Accra, Ghana
- Assisted in developing the web version of the Klips mobile app using HTML, CSS, JavaScript, and React.
- Collaborated with designers and developers to create responsive, user-friendly interfaces.
- Participated in testing and debugging to ensure seamless performance across browsers and devices.

Education

Bsc Computer Science   2022/01 – present
Kwame Nkrumah University Of Science and Technolgy   Kumasi, Ghana

Skills

React.js   **Javascript**

Databases   ● ● ○ ○ ○   **Data Engineering Tools**   ● ○ ○ ○ ○
SQL (MySQL, PostgreSQL)   Apache Spark, Apache Hadoop, Apache Kafka

Git and Github   **Project Management**

Leadership   **Data Science and Analysis**

AWS   ● ● ○ ○ ○
(S3, Redshift, Glue, EMR)

Certificates

- AWS Certified Cloud Practioner ⬈
- Intro to machine learning ⬈
- AWS Educate Getting Started with Storage ⬈

- AWS re/Start Graduate ⬈
- Data Engineering on AWS-Foundation ⬈

- Javascript Algorithm and Data Structures ⬈
- Scientific computing with python-freeCodeCamp ⬈

Projects

Real-Time Collaboration Whiteboard Web App
● Built a real-time whiteboard collaboration platform using React.js and Socket.io ⬈ , allowing multiple users to draw, upload images, and interact on a shared canvas.
● Implemented real-time updates so that users could see each other's actions instantly on the canvas, enhancing collaborative functionality.
● Integrated features like image uploads, drawing tools, and undo/redo capabilities to provide a seamless

T-shirt Customization Platform
● Developed an interactive t-shirt customization platform where users can add personalized text, upload images, and select from a range of products to customize.
● Implemented a seamless user flow for designing t-shirts, adding items to the cart, and placing orders, ensuring an intuitive and efficient shopping experience.
● Integrated real-time product previews and a responsive design to enhance user interaction and allow customization on various device

Calabash Website
Web Developer

- Developed a responsive website for Calabash Restaurant to enable online food orders and payments.
- Enhanced user experience and streamlined the ordering process.

YouTube Data Analysis Project

- Designed and implemented an end-to-end ETL pipeline to process YouTube video data.

- Ingested raw data using **AWS S3**, transformed it with **AWS Glue**, and loaded it into **Amazon Redshift** for analysis.
- Automated data workflows using **AWS Lambda** and **Amazon CloudWatch** for scheduling and monitoring.
- Ensured data quality and consistency through validation checks during transformation stages.
- Gained practical experience with AWS data engineering tools, pipeline orchestration, and scalable cloud-based data processing.

Publications

Containers on Elastic Beanstalk ⤴
NextWork.org
- Authored a technical article detailing the step-by-step process of deploying Docker containers on **AWS Elastic Beanstalk**.
- Covered containerization best practices, configuration of the Dockerrun.aws ⤴ .json file, and environment setup.
- Explained how to manage deployments, scale applications, and troubleshoot common issues.
- Aimed to guide beginners and intermediate users in simplifying container deployment on AWS with practical insights and code examples

Query data with dynamo db ⤴
NextWork
- Published a technical article explaining how to efficiently query and retrieve data using **Amazon DynamoDB**.
- Covered key concepts such as **partition keys**, **sort keys**, **Global Secondary Indexes (GSI)**, and **filter expressions**.
- Demonstrated practical querying techniques using **Boto3 (AWS SDK for Python)**, with code examples and use cases.
- Aimed to help developers understand DynamoDB's data access patterns and optimize query performance.

Visualize a relational database ⤴
NextWork
- Authored a technical article demonstrating how to visualize the structure and relationships of a relational database.
- Explained concepts such as **entity-relationship diagrams (ERDs)**, **foreign keys**, and **schema design**.
- Showcased tools like **dbdiagram.io** ⤴ , **MySQL Workbench**, or **pgAdmin** to generate clear visual representations.
- Aimed to help developers and database learners understand complex schemas through intuitive visuals.

Organisations

on the street foundation   Accra, Ghana
Graphic designer
- Created visually compelling graphics, posters, and digital content to support the foundation's outreach and fundraising campaigns.
- Designed branding materials that aligned with the foundation's mission of supporting underprivileged communities.
- Collaborated with the communications team to develop social media visuals that increased engagement and awareness.
- Managed and delivered creative assets under tight deadlines for both online and offline events.

References

Emmanuel Nketsia Yawson, *Software Engineer,* Klips
0501427129

Daniel Baah Boadi, *CEO,* Nexura Inc
0599678566