

Godwin Edem Kumahor

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SUMMARY

Possesses a strong foundation in both logical reasoning and technical skills. Experienced in Software and Data Engineering, Data Science and Analytics. Proficient in multiple programming languages and technologies. Demonstrates excellent problem-solving abilities, strong analytical skills. Committed to continuous learning and adapting to new challenges in the tech industry.

SKILLS

Technical skills: Python, JavaScript, Typescript, Java, PHP, R, Perl, C, C++, C#, HTML, CSS, .NET framework, SQL, MySQL, MongoDB, ExpressJs, Angular, NodeJS, ReactJS, NextJS, PostgreSQL, Spark, Hadoop, Apache Airflow, AWS (S3, Redshift), Google Cloud Platform (GCS, BigQuery), ER diagrams, Snowflake Schema, Git.

Soft skills: Empathetic, Strong Analytical Skills, Problem Management, Critical Thinking, Conflict Resolution, Team Leadership, Cross Functional Collaboration and Team Work, Ethically Upright

CERTIFICATIONS

Standard Bank Software Engineering Job Simulation on <https://www.theforage.com>

- Completed a job simulation focused on hypothetical projects to improve Standard Bank's mobile app
- Built a Spring Boot application with JSON web tokens used for authentication
- Developed a Python Lambda function to encode faces within images for mobile authentication
- Retrieved data from Teradata by writing SQL queries
- Prepared a Django application to return a personalized view of user's data

Managing The Workplace for Improved Productivity – from the Management Development and Productivity Institute, Accra, Ghana. Facilitated and funded by [Trestle Academy](#), Ghana, [INNGEN](#) with support from [GIZ](#), Ghana.

- Principles of Human Relations
- Effective Communication
- Assertiveness and Listening Skills
- Diversity Management/Team Building
- Work Ethics and Professionalism
- Emotional Intelligence & Stress Management
- Conflict Management
- Workplace Safety & Accident Prevention
- Managing The Workplace for Improved Productivity
- Attitudinal Change

Accenture North America Coding: Development & Advanced Engineering Job Simulation on <https://www.theforage.com>

- Completed a job simulation where I supported a client with a small development team overwhelmed by the growth of their codebase
- Wrote a class to perform search on an interactive website in Java using the Spring Boot Framework
- Set up automated builds using Jenkins to validate code changes on every push
- Managed the team's workload by preparing for a sprint and writing user stories in an Agile planning session

Shields Up: Cybersecurity Job Simulation on <https://www.theforage.com>

- Wrote a python script to brute force attack an encrypted archived file by attackers to restore it, bypassing ransomware

PROJECTS

Data Science, Engineering and Analytics:

- Intraday stocks anomaly detection pipeline
- Stocks data warehouse for financial data
- E-commerce data pipeline
- PowerBI dashboard for flight data
- Data ingestion pipeline

Software Engineering:

- Youtube video downloader
- Movlen: A program that aids users in calculating the total length of videos in a folder to make informed decisions
- An e-commerce backend
- Spotify user data visualizer
- A directory structure explorer: A program that visualizes directory tree
- Web scraper

PROFESSIONAL EXPERIENCE

Frontend Engineer, [4TH-IR](#):

February, 2024 - Present

- Develop and maintain web applications using ReactJS, Next.js, Node.js and Contentful
- Work closely with UX/UI designers to implement visually appealing and user-centric designs.
- Ensure optimal performance and responsiveness of applications across various devices and browsers.

Software Engineer and Content Writer, [INNGEN](#):

January, 2024 - Present

- Developed robust web application with Angular.
- Developed INNGEN's website.
- Implemented interactive and responsive UI components, enhancing user experience.
- Frontend lead developer of an Information Systems Management application

- I maintain INNGEN's website
- Write articles for INNGEN's news page

Frontend Engineer, [Trestle Academy Ghana](#):

December, 2023 - Present

- Developer of web applications

DATA ENGINEERING TRAINING

Trestle Academy Ghana (Sponsored by GIZ):

Mar. – Jun. 2024

During training, I:

- Designed and implemented end-to-end data pipelines for ingestion, processing, and transforming large-scale data from various sources
- Leveraged Apache Spark for batch and streaming data processing, ensuring optimal performance and scalability
- Defined data requirements and schema evolution
- Developed ETL workflows using Apache Airflow, orchestrating data workflows and scheduling jobs
- Implemented data quality checks and monitoring to ensure data accuracy and reliability
- Migrated on-premises data infrastructure to AWS S3 and Redshift, improving data accessibility

[Raven-R Co-founder](#): Data Science, Machine Learning, and Technological Research Start-up

EDUCATION

University of Ghana

September, 2019 – September, 2023

Bachelor of Arts,

Double Major in Philosophy & Information Studies

LANGUAGES

- Proficient in English
- Basic knowledge in Korean, Japanese