Amaha Ghide

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EXPERIENCE

Platform Operations Intern   June 2023 – August 2023

AQR Capital Management, Greenwich, CT

- Responsible for implementation and management of AQR's technology infrastructure, focusing on automation, CI/CD, containerization, and collaboration tools. Primarily worked with DevOps technologies such as Jenkins, Docker, and AWS.

PROJECTS

AWS Migration Network Security Automation (Powershell, Bash, Python)

- Oversaw network security operations of a large-scale migration to AWS. Engineered a Python script using boto3 and pandas to fetch and evaluate security groups, complemented by a PowerShell script that opened remote PS and SSH sessions. Together these scripts identified open ports, compared them to existing SG's, and automated the creation and assignment of security groups, saving several hundred hours of manual effort and ensuring security throughout the migration process.

Full-Stack Capstone Tutoring Application (React, Node.js, Python, PostgreSQL)

- Developed a comprehensive React web application for tutoring services, with secure email/password login, user profile management and scheduling functionality.
- Built a Python REST API using Flask for secure user authentication, password hashing, and data storage in a PostgreSQL database created and administered with pgAdmin.
- Additional responsibilities include input validation, scheduling conflict detection, ensuring seamless data flow and ensuring data integrity across the entire application to maintain a responsive user experience.

Automated PostgreSQL Production Database Access Tool

- Developed and implemented an automated solution for a PostgreSQL production database access requesting tool built in AWS Service Catalog. Leveraged Jenkins pipeline and ServiceNow workflows, in conjunction with a suite of internal REST APIs, to streamline the database access approval process. The automated system eliminated unnecessary delays, enabling developers to obtain access promptly, significantly enhancing productivity and reducing downtime.

Hackathons

- Participated in HackAI with a team of 4 to create a Chrome extension that parses a user's resume, extracts relevant keywords via OpenAI's API, and generates local job recommendations using LinkedIn's API. This innovative solution simplifies the job search process by delivering tailored opportunities directly within the browser.

EDUCATION

The University of Texas at Dallas   August 2021 - Dec 2023

B.S. Computer Science

Related coursework: Programming Fundamentals I & II, Algorithm Design and Analysis

SKILLS

Software Development: Java, C++, Python, RESTful API, Linux (Ubuntu), git, debugging, testing

Web Development: JavaScript, React, HTML, CSS

Development Operations: Amazon Web Services(AWS), Docker, Jenkins, Bamboo, Jira, Ansible