Alanza Blake

alanzablake@gmail.com | www.linkedin.com/in/ablake12 | www.github.com/ablake12

EDUCATION

Spelman College   Atlanta, Georgia
Bachelor of Science in Computer Science | *Magna Cum Laude*   May 2022

SKILLS

Python | Go | C++ | HTML | CSS | JavaScript | React | Natural Language Processing | PostgreSQL | Oracle | MySQL | Kubernetes | GitHub Actions | Apache Airflow | Grafana | Figma | Communication | Collaboration | Adaptability

EXPERIENCE

Optum   Remote
Associate Software Engineer   July 2023 – Present
- Design and implement a user-friendly React interface for Optum's internal rules engine backend application, streamlining profile management and allowing users to generate JSON configurations without manual coding, which reduced configuration time by 50%.
- Develop a REST API powering Optum's internal rules engine, based on the FICO Blaze Rules Engine, to enable scalable, business rule-based automation.
- Manage eligibility file generation processes for vendors including March Vision Care, Fiserv, and an internal vendor, Consumer DataBase.
- Built a Python module that extracts member data from PostgreSQL and Oracle databases, formats it with a corresponding JSON configuration, and generates eligibility reports for up to 40 million records for a given state and frequency.
- Produced a Python library for engineers in the Tech Forward organization to enable seamless file transfers and retrievals to and from a Network Attached Storage, resulting in over 1,000 successful transfers in production.

Technology Development Program Associate   February 2023 – July 2023
- Developed the Community & State Consumer Digital Dashboard which lets leadership analyze member and site metrics from the MyUHC.com member portal, helping them to understand the customer journey and to alleviate pain points in their UnitedHealthcare experience.
- Connected five data sources to the Grafana application to display ten visualizations, including MyUHC.com page hits and errors, MyUHC.com member site experience, MyUHC.com traffic data, and member demographics.
- Assisted in the C&S Consumer & Digital Experience Portfolio's various initiatives, namely the Consumer Digital Dashboard, MyUHC.com support, and Generative AI exploration.

Technology Development Program Associate   July 2022 – January 2023
- Collaborated with a team to develop MongoDB Atlas deployments in the Disposable Cloud Environment.
- Applied software tools such as Terraform to automate the creation of MongoDB Atlas projects, clusters, and cloud resources within both MongoDB and the respective cloud platform.
- Implemented Go programs to create a Healthcare Platform Resource Manager resource agent and to manage deployments using the MongoDB Atlas API, Azure API, AWS API, and GCP API.

Technology Development Intern   June 2021 – August 2021
- Created a full-stack application for the clinical AI onboarding process, where clinicians receive assistance on how to use a predictive Artificial Intelligence model as a colleague.
- Utilized Python and Jupyter notebook to implement a predictive AI model from three preexisting clinical datasets.
- Developed a React user interface for the clinical AI onboarding process, where a clinician will learn information about the AI model, complete an interactive calibration, and view their calibration results.

COMMUNITY LEADERSHIP

- **National Society of Black Engineers** | Member | December 2024 - Present
- **Alpha Kappa Alpha Sorority, Inc. Pi Theta Omega Chapter** | Technology Chair | December 2023 - Present