

Alanza Blake

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EDUCATION

Spelman College
Bachelor of Science in Computer Science | *Magna Cum Laude*

Atlanta, Georgia
May 2022

SUMMARY

Software Engineer with 3+ years of experience designing, building, deploying, and supporting full-stack applications and RESTful APIs in agile environments. Proficient in React, Python, SQL and NoSQL databases, Kubernetes, and cloud platforms, with hands-on experience in deploying and maintaining applications in production. Known for strong ownership, cross-functional collaboration, and mentoring peers while delivering scalable, reliable solutions.

SKILLS

Python | Go | C++ | HTML | CSS | JavaScript | React | MongoDB | MySQL | PostgreSQL | Oracle | Azure | Terraform | Kubernetes | GitHub Actions | AI/ML Integration | Grafana | 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.
- Implement a Python module to integrate the REST API with MongoDB, storing JSON data in a shared database to improve flexibility and maintainability for the internal rules engine.
- 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 15,000 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.

COMMUNITY LEADERSHIP

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