

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 coding, testing, deploying, and monitoring full-stack web applications and RESTful APIs in agile environments. Skilled in React, Python, Go, C++, PostgreSQL, Kubernetes, and cloud platforms. Experienced in mentoring peers, collaborating with stakeholders, and leveraging AI-driven solutions to improve software quality and efficiency.

SKILLS

Python | Go | C++ | HTML | CSS | JavaScript | React | Natural Language Processing | PostgreSQL | Oracle | Azure | Kubernetes | GitHub Actions | AI/ML Integration | Grafana | Figma | Communication | Collaboration | Adaptability

EXPERIENCE

Optum

Associate Software Engineer

Remote

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.

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