



DAVONTE BLAKELY

SOFTWARE ENGINEER

CONTACT INFORMATION



Washington, DC



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CERTIFICATIONS

Amazon Web Services (AWS)

- Solutions Architect Associate
- Developer
- Cloud Practitioner
- Associate Speaker

PROFICIENCIES

- AWS Serverless
- AWS CloudFormation
- AWS Monitoring & Logging
- AWS Cloud Development Kit (CDK)
- React (JavaScript)
- Python
- NoSQL Databases
- Bash Scripting
- Docker
- Agile Workflow
- Version Control (Git)

EDUCATION

The University of South Carolina | May 2021

Bachelor of Science in Computer Science

- *Minor in Mathematics*

WORK EXPERIENCE

Capital One | April 2024 - Present

Senior Software Engineer

- Collaborating with an agile team to develop AI-powered solutions that streamline internal development workflows.
- Implementing Retrieval-Augmented Generation (RAG) pipelines to optimize structured data ingestion—such as tables—to improve retrieval accuracy in internal knowledge bases.
- Automating test generation organization-wide by leveraging techniques such as static analysis and metadata extraction to improve overall test coverage.

American Express | Jan 2023 - April 2024

Software Engineer II

- Collaborated with an agile team to develop a bill payment solution for checking accounts, addressing strict compliance needs and processing sensitive data.
- Built a fault-tolerant solution with multi-environment validation to ensure robustness and high availability, impacting all consumer checking accounts.

Amazon Web Services | Aug 2021 - Jan 2023

Cloud Developer

- Delivered secure solutions to complex problems for public sector clients, from cloud integration into legacy systems to developing cloud-native applications, leveraging optimized cloud resources.
- Led knowledge transfer sessions on best practices in cloud architecture, security, and resilience through documentation, deep dives, and whiteboarding tailored to audiences with varying technical backgrounds.

LEADERSHIP & INVOLVEMENT

Alpha Phi Alpha Fraternity, Inc. | 2019 - Present

- Develops leaders, promotes brotherhood and academic excellence, while providing service and advocacy for our communities.

Serverless Technical Field Community | 2021 - 2023

- Researched AWS serverless best practices and advanced configurations, contributing as a subject matter expert.
- Hosted workshops on serverless products, new features, and integration with traditional systems.
- Developed a project showcasing serverless expertise.

Black in Tech at Capital One | 2024 - Present

- Engages in networking through diversity initiatives and supporting retention and development of software engineers within the Capital One black community.