



# DAVONTE BLAKELY

SOFTWARE ENGINEER

## CONTACT INFORMATION

 Washington, DC

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 (864)-419-3681

## 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.