

CAROLYN AQUINO

Senior Software Engineer

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SOFTWARE ENGINEERING

Senior Software Engineer

Capital One, New York, NY

JANUARY 2023 - PRESENT

Bank messaging engineering

- Designed a Figma feature giving support agents access to customer message history, to improve response times and satisfaction. Implemented the orchestration layer with Java, Spring Boot, and AWS Fargate.
- Led development of an AI financial literacy chatbot during the Blacks in Tech hackathon to improve financial accessibility for underserved communities.
- Managed the end-to-end flow of a customer messaging system, utilizing Java microservices, AWS, automated tests, and a CI/CD pipeline for timely delivery of notifications.
- Built and maintained a robust cloud infrastructure with AWS, ensuring smooth processing and delivery of notifications.
- Migrated 200+ message templates, updating HTML, CSS, JavaScript, and Velocity templates, saving millions of dollars in costs by eliminating paper correspondence and outdated services.
- Developed a comprehensive template migration training guide, improving team collaboration and process efficiency.
- Implemented replay capabilities, reducing message failure alerts by 75% and enhancing reliability.

Software Engineer -> Senior Software Engineer

MineralTree, Cambridge, MA

SEPTEMBER 2019 - JUNE 2022

Automated payable systems development

- Designed Spring Boot microservices to migrate from PL/SQL and decompose Oracle SOAP services
- Used AWS EC2 for GitLab CI/CD pipelines and Jenkins to run automated tests.
- Led Test Driven Development with JUnit and Mockito to ensure quality during Oracle-to-MySQL migration.
- Containerized services with Docker and scaled them using Kubernetes for streamlined deployments.
- Applied Agile methodologies (Kanban, Scrum) with Jira, mentoring new team members in best practices and enhancing test automation.

Software Development Engineer in Test

Akamai Technologies, Cambridge, MA

SEPTEMBER 2016 - AUGUST 2019

- Collaborated with architects, data engineers, and software engineers to design and implement test automation solutions.
- Ensured the quality and robustness of security systems, while

CAREER SUMMARY

Well-regarded back-end engineer with a passion for developing quality software and cultivating an equitable culture where all employees thrive.

EDUCATION

AWS Certified Solutions

Architect Associate

Amazon Web Services

Issued March 2024

Master of Software

Engineering (MSE)

Brandeis University

July 2022

Quality Assurance Training

Akamai Technical Academy

Akamai Technologies

September 2016 - February 2017

Bachelor of Arts

CUNY Queens College

May 2013

LANGUAGES, TOOLS, SERVICES

Java, Docker, AWS (ECS, Lambda, SQS, EC2, and more) Junit, Cucumber, RestAssured, Maven, Gradle, Spring, Spring Boot, MySQL, Snowflake, Python, PostgreSQL, HTML, CSS, Typescript, JavaScript, React.js, Velocity, GitHub, Gitlab, Kubernetes, Jira, Terraform, Kafka, AKKA, ORACLE

contributing to architecture reviews and continuous integration processes.

SOFTWARE EDUCATION

Passionate software educator focused on inclusive, effective teaching. Experienced in leading educational programs, coaching students and recent grads for technical interviews, mentoring hackathon teams, teaching coding (Python, HTML, CSS), and designing STEM curricula for both K-12 and adult learners.

Coach

Codepath, New York, NY

JULY 2024 - AUGUST 2024

Hackathon Mentor

Capital One, New York, NY

MAY 2023 - PRESENT

Director, Teacher

Youth Coding Camp, St. George, UT

AUGUST 2021

Teacher

Girls Who Code, Cambridge, MA

JUNE 2016 - AUGUST 2016

Site Manager, Teacher

Win to Learn, New York, NY

SEPTEMBER 2015 - SEPTEMBER 2016

Summer Intern

Pipal Tree, Bangalore, India

JUNE 2013 - AUGUST 2013

EMPLOYEE RESOURCE GROUPS

Proven leadership in employee resource groups, including founding, chairing, event planning, web design, communication, and fostering community engagement to boost member participation.

Blacks in Tech North East - Leadership Team Member

Capital One

April 2023 - Present

Founder and Co-chair of Cultural Connections - BIPOC ERG

MineralTree

February 2020 - June 2022

Communications Chair of Ohana - BIPOC ERG

Akamai Technologies

February 2017 - August 2019