

Michelle Tham

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WORK EXPERIENCE

Capital One

McLean, VA

Associate Software Engineer, Enterprise Consumer Platforms

August 2022 – Present

- Developed and maintained 10+ high availability applications serving 150,000,000+ consumer messages daily.
- Optimized existing stream processing applications end-to-end to eliminate redundancy and improve costs.
- Streamlined Google Firebase Cloud Messaging's push notification tokens management, resulting in a significant reduction in number of messages sent to inactive devices and an increase in delivered messages.
- Maintained 15+ containerized APIs in AWS which are consumed by public and internal consumers.
- Experienced Site Reliability Engineer, owning applications from development to release and production support.

Software Engineer Intern, Retail & Direct Technology

June 2021 – August 2021

- Advanced transaction service by pulling account information changes from a Kafka stream and updating the latest data in MySQL database.
- Assessed and appended additional unit and integration testing to pass 80% code coverage as part of CI/CD pipeline requirements.
- Released feature into production, which consumed ~80,000 events and updated ~140 events on a weekly basis.

American Express

Remote – New York, NY

Software Engineer Intern, Digital Workplace

July 2020 – August 2020

- Assembled a Slack integration to retrieve application details from American Express' internal application hub.
- Released integration to production for Slack users companywide to ease the process of gathering data, increase productivity, and shorten time navigating in and out of Slack.

Bank of America

New York, NY

Technology Analyst Intern, Global Information Security

June 2019 – August 2019

- Designed and managed a CLUE-inspired web application to enhance the engagement of the cyber security onboarding experience for employees.
- Served as a Product Owner through the Agile framework by creating scrum artifacts and organizing backlogs and user stories in Jira.

PROJECTS

Twitter Sentiment Analysis on Covid-19 and Masks

August 2021 – April 2022

- Explored the conversation made by the public between Covid-19 and masks on Twitter during the first year of the pandemic by using a topic mining model.

Sprout

August 2021 – December 2021

- Architected and developed a trivia-based web application where users can test their knowledge, challenge their friends, create their own platform and quizzes, and unlock achievements based on their scores.
- Used React JS, Node JS, Express JS, MySQL, Material-UI, Sequelize, and Heroku

EDUCATION

Stony Brook University; GPA 3.61/4.00

Stony Brook, NY

Bachelor of Science in Computer Science, Women in Science & Engineering Honors

Graduated May 2022

ADDITIONAL INFORMATION

Programming Languages: Java, C, HTML/CSS, Python

Frameworks/Tools: Spring, Cucumber, Jenkins, Apache Kafka, AWS, Jira, Postman, GitHub, Git, Agile & Scrum

Certifications: AWS Certified Solutions Architect – Associate (January 2023)

Awards: Grace Hopper Celebration Scholar (2020)

Organizations: Girls Who Code, Women Rewriting the Code, Women in Science & Engineering