

## EDUCATION

**Rochester Institute of Technology**  
BS Computer Science 2018

## EMPLOYMENT

**CAPITAL ONE** **Richmond, VA**  
**Software Engineer** **Feb. 2019 to Current**

- Leveraged AWS to setup a Blue/Green deployment which reduced developer time from 8 to 1 hour
- Practiced SRE with Splunk & Pagerduty to ensure an SLA of 99% & 700MS response time for APIs
- Built microservices to allow customers real time funds availability, generating \$1B Dollars in revenue
- Designed solution to ensure no customer are making fraudulence payments against their credit card
- Ensured proper EC2 sizing through load testing with JMeter to save \$10,743 in AWS Resources

## PROJECTS

### CAPITAL ONE PAYMENT FRAUD APIS

- Microservice architecture built using Java & Springboot to stop fraudulent payments
- Project hosted on AWS EC2 using Docker containers orchestrated by AWS ECS
- Resilience was ensured using Route53 and Application Load balancer to manage customer traffic

### PAYMENT OPTIONS VALIDATION

- Allow Web & Mobile clients to display proper payment options a system of Java APIs
- Maintained Springboot API that allows a customer to pay their Remaining Statement Balance
- Each API is hosted on AWS EC2 using Docker Containers orchestrated by AWS ECS

### PAYMENTS AGAINST PENDING AUTHORIZATIONS

- Owned microservice that allows customer to pay against their pending authorization
- Rest API developed using Springboot and Docker, hosted on AWS ECS for container orchestration
- Responsible for upkeep of application & productions issues through Pagerduty & Splunk

## INTERNSHIPS

**Marketing Evolution** **May 2018 to Aug. 2018**

Developed ETL Pipelines using Spark, Scala, Airflow, Hive& Python. Hosted on the AWS EMR

**Tesla** **Sept. 2017 to Dec. 2017**

Developed analysis and created dashboards using Model 3 lock/unlock signals for the reliability teams

**McKinsey & Company** **May 2017 to Aug. 2017**

Developed Restful API endpoints using Node.js for a React.js frontend for consultant software

**Johnson & Johnson** **Jan. 2016 to Aug. 2016**

Developed APIs using Symfony 3 & PHP for a doctor/patient interaction application

## SKILLS

**PROGRAMMING SKILLS:** Python, Java, Springboot, OAuth2, Feign, Lambda, ECS Fargate, Route53, S3, Async, Cassandra, DynamoDB, Splunk, ELK, API Gateway, Kafka, Vault, Terraform

**CERTIFICATION:** AWS Solution Architect - Associate