NAVID NAFIUZZAMAN

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EDUCATION

Rochester Institute of Technology — Fall 2021

B.Sc Computer Science

Relevant Courses: Mechanics of Programming, CS Theory, Analysis of Algorithm, Principles of Data Management, Principles of Data Mining, Data Cleaning & Preparation, Programming Language Concept, Intro to AI, Intro to Software Engineering, Social Network & Visualization

EMPLOYMENT

CAPITAL ONE — New York
Software Engineer — Jan. 2022 to Current

- Implemented the Automated Threshold feature based on 14 days history for New Relic Infrastructure Monitors for AWS
- Migrated AWS Lambda, EC2 and ECS from Intel Based Architecture to Graviton resulting 30%+ cost overall cloud savings
- Implemented PagerDuty Integration through API with the Monitoring IAAS to increase observability
- Maintained Platinum Status w/99.87% uptime for internal Observability App by automating fail-over across regions
- Extensively used tools such as Splunk, Datadog and New Relic to debug and investigate Enterprise SEV Incidents
- Actively developed Serverless Applications (AWS Lambda) in Python & Typescript for Pipeline Monitoring Automation

DEUTSCHE BANK
Software Engineering Intern — Summer 2020, Summer 2019

Corporate Title: Technology Analyst Intern

Team: Global Transaction Banking (Global Receipt Processing Platform) - CIB

- Built micro services for GRP Platform handling Depositary Receipt transactions using React and Spring Boot (Java)
- Used Swagger to generate Swift Messages (MT544, MT540) from XML and test API endpoints
- Worked in Agile environment using tools like JIRA for ticket management and Git for VCS
- Performed Regression, Sanity and Smoke test regularly and used CI tool like TeamCity
- Won 1st Position in Intern Project for implementation of Sentiment Analysis tool for CryptoCurrency Prediction made using TextBlob, Twitter API, CryptoCompare API, Sci-Kit, Flask

ARCHITECTURE TECHNOLOGY CORPORATION
Software Engineering Co-Op — Fall 2018

- Deployed virtual networks and scripted cybersecurity scenarios on cloud platform for electrical grid industry from scratch
- Deployed network with SCADA Servers and Industrial Control System (ICS) running ModBus, DNP3 and HMI Clients, ICCP
- Developed programs in Python resembling attacks on electrical grids e.g Stuxnet, BlackEnergy & Havex w/72%+ accuracy
- Deployed Firewalls, DHCP Server, NAT Rules using Pfsense and VyOS
- Developed scripted response for attacks on electrical grid station saving millions of dollars ensuring 80%+ uptime

PROJECTS

NEAREST SHELTER (JAVA, GOOGLE MAP API, REDCROSS API, ANDROID STUDIO) — Summer 2017 to Current

- Developed Android app using Java and Android Studio to locate of nearest emergency shelters
- Integrated Redcross API and Google Map API for for locating shelters
- Crowd sourcing emergency shelter location and recommending them based on review

BILL SPLITTER (REACT NATIVE, GOOGLE CLOUD VISION API) — Fall 2017 to Current

- Developed mobile application in cross-platform using react native and user authentication using Google Firebase Authentication SDK
- Implemented OCR with Google Cloud Vision API to detect the letters in the receipt (Python)
- Integrated Venmo (Braintree), Square API with the application to split bills with friends and family right from the app

SKILLS

PROGRAMMING SKILLS: Python, Java, HTML5, C, Javascript, React Native, ReactJS, Bootstrap, Flutter, Angular

DEVELOPER TOOLS/AREA: Git, JIRA, BitBucket, VIM, Jetbrains' IDE, VS Code, Kali Linux, Virtual Machine, Selenium, AWS, Jenkins, TeamCity, Cypress, Cucumber

CERTIFICATION: AWS Certified Solutions Architect - Associate, AWS Cloud Practitioner, CompTia A+