NAVID NAFIUZZAMAN

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EDUCATION

Rochester Institute of Technology
Fall 2021

B.Sc Computer Science

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

EMPLOYMENT

CAPITAL ONE
Software Engineering Intern
Summer 2021

LOB: Card Technology

Team: Secured Credit Card

- Built Secured Card Customer Deposit Portal using React converting existing app into a SPA reducing drop off rate by 74%
- Microservice architecture to support both ACH and Debit Card Payment increasing access to payment methods
- Established CI/CD Pipeline using Jenkins for Unit Testing, Linting, QA Deployment and Cache Invalidation
- Added additional new functionality in the orchestration layer such as Smarty Streets for Customer Address Verification
- Delivered components in Storybook, used Feature Flagging, Cypress for ATDD, OAuth2.0 for API Authentication
- Configured and deployed the application in server-less architecture using AWS Lambda, Route 53, S3 with CloudFront

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 Cloud Practitioner, CompTIA A+