Mohammed Rashadul Islam

rusewell@gmail.com | github.com/RashIslam | linkedin.com/in/RashIslam

EDUCATION

Hunter College of City University of New York   Expected graduation: Dec 2024
Bachelors in Computer Science
Relevant Coursework: Data Structures, Algorithms, Software Engineering, Deep Learning, Big Data

SKILLS

Programming: *Proficient*: Python (7 years) · C++ (5 years) · TypeScript | *Familiar*: Java · Swift · R
Software: AWS · Google Cloud Platform · Langchain · Docker · Kubernetes · IBM Watson · Git · React · Redux · Node.js

EXPERIENCE

Software Engineer   New York, NY
Alteryx   May 2022 − Aug. 2023
- Shipped 30+ features using React for data analytics cloud platform boosting engagement by 65%
- Built 8+ APIs in Node.js, for real-time communication with 600+ BI reports
- Enabled users to export reports in various formats, including Excel and PDF, facilitating seamless distribution to the client's internal team, enhancing accessibility and usability of the generated reports
- Designed an automated scheduling system that syncs customer data of 800+ customers in real-time, ensuring timely and up-to-date report generation which enhanced the overall accuracy of reports by 40%
- Enhanced the CI/CD pipeline with integration testing and automatic rollback workflows, decreasing pipeline failures by 25%

Software Engineer Fellow   New York, NY
The Headstarter   Jun. 2021 − Sep. 2021
- Created 3+ web app changes accepted to production using React Native, AWS, Rest APIs to open-source projects
- Built serverless APIs using AWS Lambda with 99% uptime and using real-time DynamoDB data entry tables
- Developed projects from design to deployment while leading 7+ fellows using MVC design patterns
- Coached by Amazon, Bloomberg, and Capital One engineers on Agile, CI/CD, Git, and microservice patterns
- Formed a team of 4 dedicated computer science students to collaborate on projects and attend Hackathons

Software Engineer Fellow   New York, NY
CodePath   Jan. 2021 − May 2021
- Managed an iOS Development class of 60+ students, covering MVC Frameworks, RESTful APIs, and Parse DB by designing comprehensive lesson plans and interactive activities to promote learning
- Selected to join 80+ iOS Development Tech Fellows out of 300+ applicants in a semester long iOS Development Program, endorsed by companies like Google, Amazon, Facebook, and Microsoft, based on self-taught technical skills and leadership
- Developed a custom iOS application in teams of 3 by using agile/scrum development frameworks, numerous iOS Libraries (AlamoFire/AlamoFireImage, SwiftyJSON), and APIs (Twitter API, Parse API, Movies API) within a 2 week sprint

PROJECTS

The Hunting Grounds   May 2022
- Developed a robust web map application using React, Node.js, and MongoDB, allowing users to navigate seamlessly between 400+ classrooms within Hunter College
- Computed optimal routes between classrooms by employing 4 search algorithms (BFS, DFS, Dijkstra, A star) to provide individual search results with respective processing times

Open-Source Tipping Calculator – (Published on App Store)   Aug. 2021
- Developed a hybrid iOS and Android app using React Native to calculate the tips of purchases that can be split up to 10 people with 99% accuracy to the cent
- Programmed automated email reminders to notify groups every day to pay back the user which runs 3 days after purchases
- Implemented currency identification of payments and tips by accessing live user location with 95% accuracy to determine the currency of the region and applicable taxes