Tajwar Rahman

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EDUCATION

City College of New York – *Bachelor of Science in Computer Science (GPA: 3.5)*   Expected Graduation: June 2024
Relevant Courses: <u>CodePath</u>: Advanced Software Engineering, Data Structures, Algorithms, Distributed Systems

SKILLS

- **Programming:** ***Strong:*** Python*(5y)*, JavaScript*(4y)* ***Intermediate:*** C++*(3y)*, SQL*(2y)*, Java*(2y)*, Go*(2y)*, GraphQL*(2y), C#(1yr)*
- **Frameworks:** React, React Native, Nodejs, Nextjs, Angular, Express, SwiftUI, Selenium, TensorFlow, Remix, Django, Bun.js
- **Software:** AWS, Azure, GCP, Git, Docker, Kubernetes, Machine Learning, Redis, MongoDB, HTML/CSS, RestAPI, Jira
- **Certificates:** AWS Cloud Practitioner, 100 Days of SwiftUI, Machine Learning with Python

EXPERIENCE

Software Engineer Intern – *MetLife* (New York, NY)   May 2022 – December 2022
- Delivered an end-to-end subset of components and services migrated from AngularJS to Angular 13, reducing latency by 40%
- Optimized build/release pipelines in Azure DevOps to automate deployments using power shell scripts, decreasing the deployment lead time by 2-3 minutes
- Designed an automated onboarding process for new hires that minimizes hiring costs by over $300K
- Implemented proactive notifications on chatbot used by over 43,000 employees

Tech Lead – *The Headstarter* (New York, NY)   March 2022 – December 2022
- Partnered with CTO to redesign the backend architecture by shifting from an express to a serverless framework, reducing monthly AWS resource costs by 80%
- Led the refactoring of the old code base to Next.js and implementation of AWS CDK to improve performance by 60%
- Introduced caching such as CloudFront in media related content to decrease video loading time by 66%
- Discussed and verified project progress with beta users and external stakeholders by collecting feedback on different stages and directly addressing concerns
- Successfully launched the platform, gaining over 500 users and earning over $20K in revenue

Founding Engineer – *The Headstarter* (New York, NY)   August 2021 – March 2022
- Built video platform in 45 days for startup's launch in October, which had 40+ users, using React, Express, and AWS
- Created custom React components, reducing the number of clicks and the time on pages for the average user by 8%
- Utilized AWS services such as Cognito, EC2, S3, SES, CloudFormation, Lambda, and DynamoDB by working alongside the backend team, which increased productivity by 30%
- Spearheaded a paywall and subscription management system using Stripe that's able to handle about 15K users/month
- Worked closely with 5+ senior engineers and cofounders on code quality feedback and best coding practices

Software Engineer Intern – *Slingshot* (New York, NY)   October 2020 – May 2021
- Engineered an automation portal using TypeScript and React to increase productivity by providing mentors and interns the means to manage the planning, development, and execution of their startups
- Revised, modularized, and updated old code bases to modern development standards, making the portal 90% faster
- Integrated Firebase cloud functions which automated tasks, created repositories, sent emails, and created folders using the Trello, GitHub, Gmail, and Google Drive APIs
- Collaborated with the CEO and CTO to deploy the portal and improve search engine optimization (SEO)

PROJECTS

Resu-Match   January 2022
- Created a chrome extension that displays how well the user's resume fits a job description
- Focused on building Nextjs frontend with authentication using AWS to give users detailed analytics on their resume and examples

QuickDrop   December 2022
- Initiated a cross platform React Native app that finds the most efficient path to dropping off friends to their homes by car
- Devised a method to implement different maps such as Waze and Google and add users to the driver's pool

CollegeFirst   September 2022
- Engineered a system for college students to register for courses, pay bills, manage personal information, and more
- Architected backend infrastructure using AWS CDK and utilized Next.js's server-side rendering for lower latency

Learning Made Simple (LMS)   August 2022
- Designed a learning management system, like Blackboard, that incorporates improved student metrics detailed visualizations on class performance, attendance record, schedules, assignments, and announcements using Firebase's real time database

ACTIVITIES

Microsoft Reactor Student Summit – *Attendee*   October 2022
Capital One Software Engineering Summit – *1st Place Hackathon Winner*   March 2022
Association of Computing Machinery (ACM) – *Member*   September 2021