Kazi Jamal

jamalkazi02@gmail.com | kazijamal.com

EDUCATION

Stony Brook University Stony Brook, NY

Bachelor of Science in Computer Science – GPA: 3.79/4.0 *August 2020 - Anticipated December 2023*

- Relevant Coursework: Data Structures, Analysis of Algorithms, Foundations of Computer Science, Systems Fundamentals I & II, Fundamentals of Software Development, Cloud Computing, Software Security

Stuyvesant High School New York City, NY

Diploma with Honors in Computer Science – GPA: 93.25/100 *September 2016 – June 2020*

EXPERIENCE

Stony Brook University Department of Computer Science July 2021 – Present

Web Developer *Stony Brook, NY*

- Developing websites using the Drupal content management system, HTML, CSS, and JavaScript
- Deploying Drupal websites to the Pantheon WebOps platform using developer tools such as Docker and Lando
- Writing Python scripts to scrape website data and automate data generation/manipulation tasks

Gesture March 2022 – September 2022

Software Engineer Intern *New York City, NY*

- Developed two major frontend features with React which improved the experience of sending gifts for thousands of users of the mobile application
- Implemented sharing functionality for a major component of the application which increased app downloads and social media presence
- Worked in sprints alongside frontend and backend engineers to implement brand partnership features across a React Native mobile application, React frontend, and Node.js backend services with Firebase

PROJECTS

Collaborative Document Editor | *React, Node.js, Express.js, MongoDB, Redis* October 2022 – December 2022

- Developed a collaborative document editor similar to Google Docs capable of handling 3000 requests per second with a 95th percentile latency of 30ms
- Scaled the application by implementing load balancing with Nginx and caching with Redis which increased request throughput by 3x
- Implemented real time collaborative editing with the Yjs CRDT framework and used Elasticsearch to allow users to search documents with autocomplete suggestions
- Deployed and managed microservices across more than 10 cloud servers using UpCloud and Bash scripts

FitDetector | *React, Next.js, TypeScript, tRPC, Prisma, MySQL, Tailwind CSS* July 2022 – August 2022

- Developed a full-stack web application to identify clothing in photos of celebrities using crowdsourced data
- Developed a responsive React frontend and an end-to-end typesafe API with tRPC along with Google OAuth authentication, the Prisma ORM, and Cloudinary for handling user uploaded images

Kazi's Library | *React, Node.js, Express.js, Prisma, PostgreSQL, Tailwind CSS* August 2021 – January 2022

- Developed a full-stack web application to track the books I read and resurface highlights parsed from a Kindle
- Developed a responsive React frontend and a Node.js and Express.js REST API to parse highlights from uploaded Kindle files, fetch metadata from the Google Books API, and write data to a PostgreSQL database with Prisma

Solon | *Flutter, Node.js, Express.js, Sequelize, PostgreSQL* January 2020 – June 2020

- Worked with mentors and a team of three students as a participant in a Google Mentorship Program to develop a mobile application which increases parent engagement in schools and facilitates communication with faculty
- Developed a REST API and administrator web application with Node.js, Express.js, and Sequelize

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python, Java, C, HTML, CSS, SQL
Frameworks and Libraries: React, Node.js, Express.js, Next.js, Prisma, tRPC, Tailwind CSS, Drupal
Developer Tools: Git, Visual Studio Code, Firebase, Vercel, Heroku, Docker