Kazi Jamal

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EDUCATION

Stony Brook University   Stony Brook, NY
Bachelor of Science in Computer Science – GPA: 3.82/4.0   *August 2020 - Expected December 2023*
- Relevant Coursework: Data Structures, Analysis of Algorithms, Foundations of Computer Science, Systems Fundamentals, Software Development, Cloud Computing, Software Security, Computer Networks

EXPERIENCE

Web Developer   July 2021 – Present
Stony Brook University Department of Computer Science   *Stony Brook, NY*
- Developing and maintaining websites using the Drupal content management system, HTML, CSS, and JavaScript
- Deploying Drupal websites to the Pantheon WebOps platform using Docker and Lando to handle high traffic from students and faculty
- Writing Python scripts with Selenium and Pandas to scrape website data, automate data manipulation tasks, and speed up the workflow of six employees by two hours per task

Software Engineer Intern   March 2022 – September 2022
Gesture   *New York, NY*
- Redesigned the user interface for sending gifts and developed the animated frontend using React and Framer Motion which made the gift sending experience faster and more intuitive for thousands of users
- Implemented the functionality for users to share a digital version of their personalized gift messages from the mobile application which led to an increase in app downloads and social media presence
- Collaborated with cross-functional teams in sprints to deliver brand partnership features across a React Native mobile application for consumers and React web application for businesses which strengthened and created new relationships with business partners

Web Developer   August 2019 – December 2020
BlockchainsForSchools   *New York, NY*
- Developed a promotional website with HTML, CSS, and JavaScript which connected the nonprofit with companies such as Microsoft, IBM, and Consensys who helped fund educational events
- Developed a web application with React to keep users informed of upcoming events hosted by the nonprofit which led to an increase in event attendance and participation by 30%

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 features using the Yjs CRDT framework and searching with autocomplete using Elasticsearch
- Deployed and managed microservices across 10 cloud servers using the UpCloud cloud platform and Bash scripts

FitDetector | *React, Next.js, TypeScript, tRPC, MySQL, Prisma, Tailwind CSS*   July 2022 – August 2022
- Designed 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 for authentication and Cloudinary to handle user uploaded images

Kazi's Library | *React, Node.js, Express.js, PostgreSQL, Prisma, Tailwind CSS*   August 2021 – January 2022
- Designed a full-stack web application to track books read by the user and resurface highlights parsed from a Kindle
- Developed a responsive React frontend and a Node.js and Express.js REST API to parse highlight data from uploaded Kindle files, fetch metadata from the Google Books API, and write the data to a PostgreSQL database

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, Linux/Unix, Docker, Vercel