

# 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: Software Engineering, Cloud Computing, Data Structures and Algorithms, Scripting Languages, Software Security, Computer Networks, Systems Fundamentals

## EXPERIENCE

### **Web Developer**

July 2021 – Present

*Stony Brook University Department of Computer Science*

*Stony Brook, NY*

- Developing and maintaining websites using the Drupal CMS, PHP, HTML, CSS, and JavaScript
- Deploying Drupal websites to the Pantheon WebOps platform using Docker and Lando to handle high traffic
- Automating data manipulation tasks and speeding up the workflow of six employees by up to two hours per task by writing Python scripts with Selenium and Pandas

### **Software Engineer Intern**

March 2022 – September 2022

*Gesture*

*New York, NY*

- Redesigned and developed the animated user interface for sending gifts using React and Framer Motion which made the core experience faster and more intuitive for thousands of users
- Enabled users to share their personalized gift messages, boosting app downloads and social media presence
- Strengthened and created new relationships with business partners by delivering brand partnership features across React and React Native applications in cross-functional sprints

### **Web Developer**

August 2019 – December 2020

*BlockchainsForSchools*

*New York, NY*

- Created a promotional website with HTML, CSS, and JavaScript that facilitated partnerships with tech giants like Microsoft, IBM, and Consensys, resulting in funding for educational events
- Developed a React-based web app to boost event awareness, leading to a 30% increase in attendance and participation at nonprofit events

## PROJECTS

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

- Built a performant Google Docs-like editor capable of handling 3,000 requests/sec at 30ms 95th percentile latency
- Improved performance and increased request throughput by 3x using Nginx load balancing and Redis caching
- Enabled real-time collaborative editing with the Yjs CRDT framework
- Enabled intuitive search functionality with autocomplete using Elasticsearch
- Deployed and managed microservices across ten cloud servers using 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
- Enabled user authentication with Google OAuth and image uploads with Cloudinary

### **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 users and resurface highlights parsed from a Kindle
- Developed a responsive React frontend and a Node.js/Express.js REST API to parse Kindle data, fetch metadata from Google Books API, and write data to a PostgreSQL database

## TECHNICAL SKILLS

**Languages:** JavaScript, TypeScript, Python, Java, C, HTML, CSS, SQL, PHP, Bash

**Frameworks and Libraries:** React, Node.js, Express.js, Next.js, Prisma, tRPC, Tailwind CSS, Drupal

**Developer Tools:** Git, Linux/Unix, Docker, Vercel, Ansible, CI/CD