

Tahmidur Rabb

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EDUCATION

New York University Tandon School of Engineering

CyberSecurity, M.S. GPA: 3.67

Computer Engineering, B.S.

Coursework: Computer Networking, Introduction to Security, Privacy and Information

New York, NY

Expected Graduation: May 2026

May 2023

EXPERIENCE

ApartmentMaid

Software Engineer - FullStack

September 2023- Present

Brooklyn, NY

- **Transformed** an initial MVP design into a scalable client-facing **SaaS** booking application for an apartment service **startup** using NextJS, TypeScript, and PostgreSQL, while working with another developer under a **CI/CD** pipeline, achieving **100+** bookings and over **10,000 dollars** in revenue within the first 6 months.
- **Engineered** a high-performance **backend** using NextJS API libraries, server-side rendering, and **RESTful** APIs. Utilized **Supabase** as a **serverless BaaS** to **refactor** backend operations, optimize **CRUD** requests, and augment **session storage/handling**, increasing **site capability** by **40%**.
- **Created robust data solutions** using **Prisma** and **PostgreSQL** to design and manage diverse models. Further optimized data management using Supabase, resulting in a more secure authentication system, **role-based access control** with **RLS** policies, and enhanced **ETL** performance, increasing **speed** of platform by **12%**
- Integrated third-party **services** such as Stripe for secure, **PCI-compliant** transactions and seamless connections with **business owners**, Nodemailer for **SMTP** services and **automating** emails, and **NextUI** and **Framer Motion** for a **component-based architecture** and adaptive design, showcasing the platform's **versatility** and enhanced capabilities.
- Expanded the **customer base** by **25%** by designing two data visualization portals for different user groups, automated **email campaigns** for **150+** users using self-built email templates, and maintained **site reliability** by monitoring **deployments** through Vercel, driving a **15%** increase in sales.

New York University

Software Engineering Intern/IT Support Specialist

July 2022 - February 2023

New York, NY

- Provided technical assistance to over **200** employees across **5+** administrative buildings, ensuring seamless resolution of technical issues and smooth operation of all technology-related operations
- Diagnosed and repaired hardware and software components of equipment, analyzed and managed over **25+** daily tickets using **ServiceLink**, and enforced **Active Directory** for user authentication and role management.
- Developed python scripts to **automate** tasks, troubleshoot security vulnerabilities, and design data visualization models

SWE PROJECTS

Full Stack Developer | [CollegeGenie](#) | MongoDB | NextJS | OpenAI | Clerk | Pinecone | Stripe

September 2024 - Present

- Designed a scalable **CRUD** application using NextJS MongoDB, Bootstrap, and TailwindCSS, enabling account creation/session handling, **AI-driven** college guidance, and user **connections**, having **150+** users within the first week
- Incorporated Bootstrap and TailwindCSS to develop functional **UI** components, Axios to create and handle **REST APIs**, MongoDB to store and retrieve data schemas, and third party services for **authentication and payment transactions**, enhancing runtime performance and usability of the platform by 35%.
- Integrated College Scorecard **API** and **Pinecone** embeddings to analyze 500+ colleges and match them to user data, leveraging OpenAI GPT-4 and **RAG** embeddings to boost response accuracy in a pre-built **LLM** by 25%.

Full Stack Developer | BalanceAI | NextJS | Axios | AWS S3 | Tailwind CSS

December 2024

- Worked within a team of 8 on a financial **AI SaaS** to develop custom frontend elements using TailwindCSS and UI libraries, while also fetching and parsing statistical data from a pre-existing backend hosted in an **S3 bucket**

Full Stack Developer | [Codeflash](#) | NextJS | Firebase | Gemini | Clerk | Stripe

December 2024

- Developed an **AI flashcard SaaS** using NextJS to develop a serverless backend, BEM CSS for enhanced UI, Clerk for authentication, and Stripe for payment processing, ensuring a seamless and accessible user experience
- Leveraged **Google Gemini model** to display and store computer science concepts and Firestore for handling user-related data, increasing data processing speed by **15%**

SKILLS

Programming Languages: Python3, TypeScript, JavaScript, Java, C++, C, C#, SQL, .NET

Front End: NextJS, React.JS, Vue.js, Angular, TailwindCSS, NextUI, Redux, Bootstrap, HTML5/CSS3

Back End: Node.js, Express.js, Flask/Django, MongoDB, GCP, AWS(Lambda, EC2, S3), Docker, Prisma, PostgreSQL

Developer Tools: Git, npm/pnpm, Vercel, Supabase, Firebase, Stripe, Agile Methodology, Jira, OpenAI, Postman, VSCode