H M Naimuzzaman Shuvo
Full Stack Software Engineer

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Career Summary

Software Engineer with over 2 years of experience in developing **Full-Stack Web apps** and **cross-platform Mobile and Desktop apps**. Skilled in building **Real-Time applications using WebSocket and WebRTC**. Demonstrated expertise in **managing AWS cloud architecture**, successfully deploying and scaling multiple projects to ensure seamless performance and reliability. Proven ability to **lead large projects and manage team of developers** while leveraging cutting-edge technologies to deliver high-quality products

Skills

Proficient In: JavaScript (ES6+), TypeScript, ReactJS, React Native, Tauri, NodeJS, tRPC, NestJS, ExpressJS, NextJS, HTML5, CSS3, TailwindCSS, Git, GitHub, AWS, PostgreSQL, Firebase, MongoDB, Prisma, Web Socket, WebRTC, algorithm analysis, debugging.

Familiar With: VueJS, ElectronJS, Python 3, Django, Web Crawling, Shell, CI/CD, Jest, testing, Docker, Figma, Distributed System.

Experience

Software Engineer | Dynt
June 2023 - present

Leading the development of Dynt's open banking integration and finance and expense management solutions.

Tech Stack: **TypeScript, ReactJS, NodeJS, ExpressJS, React Native, Prisma, PostgreSQL, Open Banking API**

- Integrated **open banking services with Yapily API** to enable seamless and secure data access and payment initiation for customers across **multiple banks and financial institutions in Europe**.
- Developed and maintained finance and accounts management features such as **accounts payables, accounts receivables, invoice and bill generation with OCR technology,** and **automated reconciliation** and **categorization** of transactions.
- Designed and implemented the architecture and infrastructure of the platform, **including database management, backend server, cloud services, security, and performance optimization**.

Software Engineer | Possier | possier.com
April 2022 - May 2023

Led the development of Possier 2.0, a trending restaurant billing POS software in India, while also spearheading the creation of Fuvii, an experimental social media platform and food marketplace for foodies.

Tech Stack: **TypeScript, NextJS, ReactJS, NodeJS, NestJS, React Native, Tauri, Prisma, PostgreSQL, MariaDB, WebSocket, WebRTC**

- Single-handedly designed and implemented a state-of-the-art POS management system with **cross-platform real-time data synching capabilities for web, desktop and mobile devices**, enhancing efficiency, accuracy, and **customer experience for over 200 clients.**
- Developed a robust desktop application for offline ordering functionality by embedding NodeJS and MariaDB binary into Tauri app, ensuring uninterrupted service even without an internet connection and **increasing system's reliability and satisfaction by 50%.**
- **Reduced cloud operation costs by 70%** and improved system performance by managing **AWS cloud services such as EC2, S3, and Lambda** using expertise in cloud technology.
- Integrated various **third-party APIs such as Stripe, Google Maps, and Twilio** to provide payment processing, location tracking, and SMS notifications features for the POS management system, enhancing user convenience and security.
- Built a video social media platform Fuvii, using **React Native and native code in Java,** resulting in lightning-fast video streaming load times, decreasing from several seconds to just about 100ms, **representing a reduction of over 90%.**
- Architected a complex database system using advanced **data modeling techniques such as many-to-many and self-relationships, foreign keys, joins, indexing, and normalization,** improving performance and data accuracy while accurately representing business requirements.

Founder | CodeFiz | codefiz.com
Jan 2022 - present

Built CodeFiz as a next generation code collaboration tool to easily and smoothly hold live coding sessions and coding

Tech Stack: **JavaScript, React js, Node js, Web Socket, WebRTC, HTML5 Canvas, Styled-components.**

- Conceptualized, built, and launched the product **in less than two months.**
- Designed a highly customized frontend with **modern UI design patterns, resizable components and responsive interface.**
- Integrated a feature rich shared workspace with **real-time video calling, live code editor and compiler,** a **canvas** and a **word document**.
- Implemented the entire backend system in Node.js with **web socket implementation**, spawning and running **multiple asynchronous task** and compiling user input code in **different programming languages** in parallel with the main thread.

Full Stack Developer | Weekend Trend
July 2021 - March 2022

Designed and developed the e-commerce application of the company from start to finish with utmost user-happiness, security and cost-effectiveness in mind.

Tech Stack: **TypeScript, React js, Next js, Node js, Firebase, Styled-components.**

- Built a highly performant and interactive web application that scores **90+/100 on Google Page-speed benchmark and loads under 500ms** to provide the best user experience.
- Integrated a custom content management system for monitoring sells and orders, **increasing the sales team's productivity by 50%.**

Education
Jan 2023 - present

BSc in Programming and Data Science

Indian Institute Of Technology (IIT), Madras

Note: I Initially joined a business degree program back in 2020 but dropped out of it in 2022 to pursue my passion in software engineering.