

# 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](https://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 syncing 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](https://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

#### BSc in Programming and Data Science

Jan 2023 - present

#### 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.