

H M Naimuzzaman Shuvo

Full Stack Software Engineer

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Career Summary

Software Engineer with over 1.5 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](#), [ElectronJS](#), [NodeJS](#), [NestJS](#), [ExpressJS](#), [NextJS](#), [HTML5](#), [CSS3](#), [TailwindCSS](#), [Git](#), [GitHub](#), [AWS](#), [PostgreSQL](#), [Firebase](#), [MongoDB](#), [Prisma](#), [Redis](#), [GraphQL](#), [Redux](#), [Socket.io](#), [WebRTC](#), [algorithm analysis](#), [debugging](#).

Familiar With: [Vuejs](#), [Python 3](#), [Flask](#), [Web Crawling](#), [Shell](#), [CI/CD](#), [Jest](#), [testing](#), [Docker](#), [Figma](#), [Distributed System](#).

Experience

Software Engineer at [Possier](#) | [possier.com](#)

April 2022 - present

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 app for food enthusiasts.

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.
- **Led and mentored a team of three engineers** while delivering high-quality software solutions on time and within budget as a software engineer and team leader.
- 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** to improve system performance and data accuracy while accurately representing business requirements.
- Developed and implemented a comprehensive customer support system, **including CRM, loyalty, feedback, and support ticket modules**, resulting in improved customer retention and satisfaction.

Founder | [CodeFiz](#) | [codefiz.com](#)

Jan 2022 - present

Built CodeFiz as a next generation code collaboration tool. Made it free and open source software which is a perfect choice for college students and hiring managers alike who can easily and smoothly hold live coding sessions and coding interviews using the app.

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 that provides real-time group video calling, live code editor with code compiling capability along with 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](#)

Jul 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%**.

Projects

Cryptobyte - Crypto Currency Tracker | [cryptobyte](#) | [github](#)

Cryptobyte is an all-in-one platform to get the most up-to-date information about all the crypto currencies in the world.

A collection of exciting games and puzzles. Available games: [Typer](#), [Logophiles](#), [Pong](#), [Whack A Mole](#).

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.