

M. M. BAPIN

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EXPERIENCE

Senior Software Engineer L1

Aug. 2025 – Present

Tekarsh

Dhaka, Bangladesh

- Architected a deterministic, state-driven multi-step flow using **xState** for the Koalafi platform; eliminated impossible states, reducing defects by **30%** and drop-off by **10%**.
- Leading a team of 4 to deliver fintech features, managing engagement for **30,000+ users** within the initial release phase.
- Established a Context-First PR policy (Loom walkthroughs), accelerating review velocity and team knowledge sharing.
- Modernized core stack to **React 18 and Vite**, optimizing development lifecycle and HMR.

Senior Software Engineer

Mar. 2023 – July 2025

Kona Software Lab Ltd.

Dhaka, Bangladesh

- Led 5 developers to engineer the **Kona Integrated Platform**; developed a high-complexity approval engine with 40+ dynamic fields using **Angular 18**.
- Developed an Investment Platform for a global company to track assets using **Material UI** and **Angular 18**.
- Orchestrated a migration to **Standalone Architecture**, improving tree-shaking and platform load times.

Software Engineer

Jan. 2022 – Feb. 2023

Kona Software Lab Ltd.

Dhaka, Bangladesh

- Delivered a **0 to 1 Global OpenAPI Payment Marketplace** in 3 months; engineered a real-time currency conversion engine supporting **USD/JPY/BDT**.
- Developed a polished developer portal using **Next.js** and **GSAP** and the **Total Back Office System** for KonaCard.

Software Engineer

Jan. 2021 – Dec. 2021

Genesys Softwares

Dhaka, Bangladesh

- Engineered real-time Video Call and Chat features for 'Augmentive' (UK), a global telehealth platform; utilized Vue.js and Nuxt.js to build secure, interactive interfaces for doctor-patient consultations.
- Developed a centralized University Management System for JUST, automating the end-to-end flow for student registration, fees, and hostel management to handle high-traffic spikes during enrollment periods.

Software Engineer

Nov. 2018 – Dec. 2020

Softwind Tech LTD.

Dhaka, Bangladesh

- Developed the **Robi Telecommunication Website**, supporting **53M active subscribers**; utilized **Next.js SSR/ISR** to maintain $\leq 2s$ TTI.
- Engineered a **Virtual Room Decorator** for DBL Ceramics using **Next Image** and CDN delivery to optimize rendering.

TECHNICAL SKILLS

Languages/Frameworks: JavaScript (ES6+), TypeScript, React, Angular, Next.js, Vue/Nuxt

State & Architecture: Zustand, RxJS, NgRx, Redux, xState (FSM), Frontend System Design, BEM Methodology

Performance & UI: Vite, GSAP, Tailwind CSS, Material UI, Ant UI, Web Vitals, CDN Optimization

Testing & Tools: Jest, Jasmine, Karma, Git, GitHub Actions

EDUCATION

American International University Bangladesh(AIUB)

Bachelor of Science in Computer Science and Engineering

Dhaka, Bangladesh

January. 2014 – Dec. 2017