Mohammad Ahsun Habib Sadi

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NextJs, NestJs, React Native, FastAPI, Spring Boot AWS (EC2,S3), Git, Microservices

PROFILE

Experienced Software Developer with expertise in building high-performance web and mobile applications for iOS and Android including building robust backend system with micro services. My proficiency extends across a range of languages, frameworks and databases with strong fundamentals. Skilled in optimizing app performance, managing state with Redux/Zustand, and working with RESTful APIs, GraphQL and Web Socket. Strong understanding of UI/UX principles, cross-platform development and end to end system design. Proven ability to deliver scalable, maintainable, and user-focused technical solutions.

PROFESSIONAL EXPERIENCE

Next Level Media LLC @Live

Full-Stack Engineer   **Dec 2023 - Present OnSite**

MyManager CRM @Live @App Store @Play Store

Based in US with Engineers around the globe The development process was highly collaborative, involving a distributed team across the United States and Bangladesh and built with **Reactjs**, **NodeJS**, **FastAPI**, **Redis**, **RabbitMQ** and **MongoDB** also some services of **AWS** for **OCR** and **Lambda** for **Serverless functions** and **Google Cloud** for **GCE** and **GCS** . We practiced agile methodologies. I regularly engaged with cross-functional teams including DevOps, QA, and UI/UX for integration and system coherence. Some key features i regularly worked on and lead small teams for feature implementation or upgrades.

Workflow Automation Engine (Event-Driven Architecture)
- Built a custom workflow orchestration engine using event-driven architecture powered by **Redis** Pub/Sub and **RabbitMQ** for handling asynchronous job queues.
- Designed modular nodes to support dynamic flows with triggers, conditions, and actions (e.g., "When Invoice Created ➡ Send Email ➡ Notify Team").

Real-Time Chat & Communication System
- Developed a multi-channel chat system using **Socket.IO** for real-time updates, backed by Redis for scalable session and message caching.
- Implemented user-to-user, group chat, and support chat modules with typing indicators, unread message counters, and message history.
- Integrated **RabbitMQ** to queue email, SMS, and in-app notifications, enabling fallback communications when real-time fails.

Marketing Automation Platform & Ads Manager
- Contributed heavily to the module enabling multi-platform post scheduling, automated replies, and engagement analytics. Manage ads with Ads Manager on **Google and Meta Ads**.
- Built pipelines that support platforms like Facebook, Instagram, Tiktok and LinkedIn with token refresh mechanisms and **webhook**-based event sync.

Website Builder Tool
- Integrated **GrapesJS** into the CRM to enable end users to design and publish websites using a drag-and-drop interface.
- Added custom HTML components to extend default blocks and integrated with the backend for asset uploads and HTML export.
- Allowed linking pages with internal CRM data like products, blogs, and custom forms for full-stack CMS capability. Developed a **FastAPI** server responsible for processing, storing, and publicly serving website pages created in GrapesJS.

Notification System
- Developed a comprehensive notification delivery engine supporting multiple channels:
- Email (via SMTP and third-party services) and SMS (via Twilio),
- In-app alerts (**Socket.IO**). Used RabbitMQ queues for channel separation, retries, and priority handling.

SaaS Framer @Live
Full-Stack Developer   **Oct 2021 - Nov 2023 Remote**

Lawyer's Forum @Live @IOS App Store @Play Store
This multi role App made solely by me for a law firm based in US where Users and Lawyers can connect and Users can ask questions and services and lawyers can put their answers and services as the law firm was immigration based, Few supported immgration based module were made which were perfectly curated by their UI/UX designers.

- **Developed end-to-end multi-platform** mobile application using **React Native** for iOS and Android app stores, serving as the sole developer for a US-based immigration law firm's client-lawyer connection platform and backend as a **Java** framework (**Spring Boot**).
- **Architected and implemented real-time communication** features enabling seamless interaction between users and legal professionals, including question submission and service requests
- **Successfully launched** production application across both **iOS App Store** and **Google Play Store**, managing the complete development lifecycle from conception to deployment and ongoing updates
- **Secure JWT-based authentication & role-based access control** for Users and Lawyers, RESTful APIs for real-time communication, case inquiries, service postings, notifications, and account management, Optimized database design for storing legal questions, lawyer responses, immigration services, and user activity,Integration with third-party services (emails, push notifications, file uploads, payments—if applicable).

Multi Vendor Food Delivery System @Live @App Store @Play Store
- I developed and maintained Customer, Restaurant & Rider app on **React Native** and Dashboard with **React - Vite** with **Push Notification** and Alert **Audio** Feature in **Background Task**.
- I've done **Google Maps API**'s integration for Street **Address and Direction API** to get time and distance to implement secured features and share Realtime Location with **Socket.io**.
- I implemented **Ray Casting Algorithm** in JavaScript for **Geofence** feature for customer in secured area.
- I've built **Cronjobs** for vendor signout/signoff and product visibility with **Webhooks** for online payment.
- I've built their apis with **ExpressJS**, **Prisma** ORM and **MySQL** Database.
- I used **Redux & Context API** for State Management, **Axios** for query, **JWT** and **Bcrypt** for Auth and **Firebase** for Phone Number Verification.

AI Image Generation SaaS @Live

- This SaaS is built with **NextJS 14, RadixUI, NextUI, Zod, Zustand, SupaBase, PosgreSQL, Cloudinary & Sanity-io**. I've built **CSS Mask** Animations, **Backdrop Blurred** components and **Masonry** on Frontend.
- I've setup **A1111** and **ComfyUI** to host **Stable diffusion XL 1.0** on cloud GPU server and API endpoint with **Gradio** from **Python 3** to generate Low Rank Adaptive models for users based on their provided 4-10 images then users can create **AI Generated Images** of them on their **Fine Tuned LoRa** models.
- I worked on **Prompt Engineering** of our generated template images listed on dashboard for users to choose a template and generate their images.

SaaS Framer
Full-Stack Developer (intern)   **Aug 2021 - Sept 2021 Onsite**
Agency Portfolio @Live
- I converted Figma to **NextJs** with fully custom components and animated with **Framer motion, Tailwind and JS Math**.

EDUCATION
BSc in
Computer Science & Engineering
2018-2022
United International University

EXTRACURRICULAR ACTIVITIES
Member, UIU Robotics Club   2019-2020
Workshop : Vehicle Tracking Management System
Hardware: Arduino R3, NEO 6M GPS, SIM 800L
C libraries: TinyGPS , Adafruit FONA, libwebsockets