

MD ABDUR RAHMAN

Full-Stack Web Developer

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Education

B.Sc in Computer Science and Engineering

Northern University of Business and Technology

3.8/4 CGPA

2022 - Present

- Completed Course : OOP with C++, DSA with C++ , Software Development-I

Work Experience

Web Developer (Backend) ZSN Technologies, BD

December 2023 - Present

- **Leading the architectural design of web applications**, incorporating **web distributed systems, caching strategies**, and comprehensive **database modeling** with **Redis, Kafka, Prisma**, etc
- Building secure and well documented **NodeJs server**, following best practices for both **horizontal and vertical scalability**. Responsible for **writing test scripts with Jest** to ensure robust code quality, particularly for edge cases.
- Oversaw frontend development, **integrated advanced Mapbox** functionality, **implemented Stripe and Stripe Connect** for multivendor payments.
- Utilizing **Docker, AWS, ECR, and ECS** for seamless deployments and team collaboration

FullStack Web Developer MOC DT Ltd, UK

July 2023 - December 2023

- Developed a full-stack **pre-registration site for 55,000+ users** with custom authentication, including **passwordless OTP validation**. Implemented admin tools for data export/import and user statistics (position, click, referral) with visual insights **which increased user registration up to 100k+**
- Successfully **migrated the company's main website** from WordPress to the MERN Stack (NextJS) that **increased site performance 2times than before**.
- **Led and guided an intern team** on various projects for clients, collaborating seamlessly with DevOps and the UI/UX team.

Featured Projects

wDfy. Ts, NextJs, ShadCnUi, Clerk, NodeJs, PostgreSQL, Bun, Stripe, Unit test, Docker

🔗 [Live](#) - 🔗 [Source Code](#)

WebDashify aka `wdfy` is a SaaS platform designed around a **B2B2B model** including **agency and sub agency management, website builder**, team and permissions management, media bucket, Kanban project management, leads management, Stripe subscriptions, add-ons, live notifications and much more.

Key Features:

- Agency sign up with monthly subscription managed by Stripe, can create sub-agencies , connect Stripe account to receive payments and all the audits are directly shown on dashboard live. Agency manages subaccounts , users with permissions for each subaccounts
- Each sub-accounts can be operated by multiple users, can store images like S3 ,can manage contacts (customer), can build fully drag-n-drop pipeline, lanes and tickets with customer, assign user and value. Websites or funnels can be build with custom subdomain.
- Sub-Accounts can sell own digital products on newly built funnel (website) , can get leads using contact form. Metrics of transactions and funnel performance are shown on sub-account dashboard graphically.

Major Challenges and overcomes:

- **Payment Management:** Securely managing all the payments , transactions , asynchronous subscription events through Stripe webhook, Stripe Connect and Stripe Sessions. One time or Recurring payment options are available with custom checkout form for subaccounts using Stripe product catalogue.
- **User Authentication:** Implemented secure user authentication and permissions for sub-account management via CLerk, with agency owners managing user invitations and permissions.
- **Customizable Website Builder:** Developed a fully customizable drag-n-drop website builder with fully raw coded state management library like Redux, tweaking HTML Elements and ReactCSSProperties
- **Secure redirection :** To manage secure and customize redirection based on permission, Next middleware is rapidly utilized.

BeOrganic TypeScript, NextJs14, ExpressJs, NextAuth, Redis, webSocket, AWS, Docker, ECR, [Live](#)

A large scale multivendor E-Commerce website having location based service made with monolith architecture catering on UK

Major Challenges and overcomes:

- Location based store and product searching with real time distance and time demonstration using mapbox
- Integrating semantic search using Vector Database.
- Implemented Shipping Methods and careers by working with World leading third party shipping provider.
- Tracking and calculating essential metrics for a multivendor site through complex db query

Open Source

- **react-swipeable-button** TypeScript, Rollup, Ts Compiler, NPM [NPM](#) - [Github](#)
A comprehensive npm package for interactive swipe able button library in React.
 - Has 500+ monthly downloads
 - Compatible for both commonJs, EcmaScript and TypeScript

❖ Check all of my projects on my portfolio : [@abdurrahman-dev](#)

A few Words

Highly skilled and experienced Full STACK Web Developer with a proven track record spanning multiple years, specializing in web distributed system, TypeScript, ReactJs, NodeJs, Relational and Non-Relational Database etc. My goal is to contribute to a dynamic team and continuously enhance my skills in a fast-paced and innovative environment. I am currently looking for a full-time position as a full stack web developer

Skills and Tools

Languages

Front-End HTML CSS/SCSS Javascript Typescript Swift
Back-End NodeJs SQL NoSQL

Technologies

UI Related TailwindCSS BootStrap Matrial UI ShadCN UI
FE Related ReactJs NextJs Framer Motion Webpack Zustand Redux GraphQL React Native
BE Related ExpressJs MongoDB Mongoose Prisma postgreSQL AuthJs Firebase Redis kafka
AWS ecs AWS ecr webSockets vectorDB

Tools and Software

Code Related VS Code npm yarn Github
Design Related Figma Photoshop

Problem Solving

Languages C C++
Fundamentals OOP DSA(Advanced) Dynamic Programming

Certifications and Achivements

- CS107 : C++ Programming - Saylor Academy
- MERN Stack Web Development BootCamp - Programming Hero
- FrontEnd Development Libraries - FreeCodeCamp

Languages

- Bengali - Native
- English - Professional