

Muhammed Nabeel kk

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Profile Summary

Passionate Full-Stack MERN Developer skilled in designing, developing, and deploying modern, scalable web applications. Proficient in React.js, Node.js, Express.js, and MongoDB, with strong command over JavaScript/ES6, HTML5, CSS, and RESTful API design. Experienced in Redux, WebSockets, and applying SOLID principles for maintainable software architecture. Adept at using Git/GitHub for version control and Vercel/Render/AWS for deployment. Demonstrates solid understanding of web security, performance optimization, and database management. Eager to contribute innovative, high-performance solutions in a collaborative environment.

Technical Skill

Languages: Javascript, C++, HTML, CSS, NoSQL, SQL

Libraries and Framework: React, Redux, jQuery, Node.js, Express.js, EJS, Handlebars (HBS), Bootstrap, Tailwind CSS

Databases: MongoDB, PostgreSQL, MongoDBAtlas

Cloud and Deployment: AWS(EC2,S3), NginX, Vercel, PM2, Cloudinary, GitHub Hosting, Render Hosting

Tools and Platform: Git, GitHub, Google Authentication, Third Party API Integration, Payment Gateway Integration, VSCode, Render, Vercel

Concepts: Clean Architecture, MVC Architecture, SOLID Principles, Data Structure and Algorithm, Rest APIs.

Design and Prototype: Figma, Illustrator, Photoshop

Education

RR Institute of Technology, BE in Information Science Aug 2019 – Aug 2023

- **Coursework:** Computer Architecture, Comparison of Learning Algorithms, Computational Theory

Brototype, Full Stack Development Jan 2024 – Sep 2025

- **Coursework:** Build and Deploy Modern Web Application Using MERN (MongoDB, ExpressJs, ReactJs, NodeJs), Database and Algorithm,

Experience

Web Designing, Qbize Technologies – Bangalore, IN March 2022 – DEC 2023

- Designing user friendly responsive e-commerce website using HTML CSS and Javascript
- Designing Subscription section and Integrated MSGBOSS for Bulk sending messages through Whatsapp and SMS
- Redesigned and maintaining school management SAAS software

React Developer, Aventus Informatics – Thrissur, IN

- Worked as a React Developer on City Beach, an AI-driven e-commerce web application.
- Developed responsive and reusable UI components using React.js.
- Integrated AI-powered features for personalized product recommendations and user experience enhancement.
- Worked extensively with TOML configuration files for managing application settings, feature flags, and environment-based configurations.
- Collaborated with backend and AI teams to consume APIs and render dynamic data efficiently.
- Implemented state management, component optimization, and performance improvements.
- Ensured cross-browser compatibility and mobile responsiveness.
- Participated in code reviews, debugging, and feature enhancements in an agile development environment.

Senior React.js Developer, Nexcrest IT – Kannur, IN

- Worked as a Senior React.js Developer managing and developing two major software solutions: an Institution Management ERP system and a CRM platform.
- Designed and developed responsive, reusable, and scalable UI components using React.js.
- Built and maintained core modules of the ERP system including student management, staff management, attendance tracking, and reporting features.
- Developed CRM features such as lead management, customer tracking, and sales workflow automation.
- Integrated RESTful APIs to handle dynamic data rendering and seamless frontend-backend communication.
- Implemented efficient state management and optimized application performance for better user experience.
- Ensured cross-browser compatibility and mobile responsiveness across all modules.
- Collaborated with backend developers and stakeholders to deliver scalable and maintainable solutions.
- Participated in debugging, testing, and continuous improvement of both ERP and CRM systems in an agile environment.

Freelance, Web Developer

Jan 2022 – 2026

- Delivered end-to-end web solutions for clients, including e-commerce platforms, real-time chat apps, portfolio websites, and static/dynamic web applications.
- Built responsive, interactive, and user-friendly interfaces using React, Next.js, Tailwind CSS, Bootstrap, and EJS.
- Developed backend systems with Node.js, Express.js, and databases like MongoDB and PostgreSQL, including API integration, payment gateways, and authentication.
- Implemented real-time features using WebSocket (Socket.IO) and managed scalable deployments on Vercel, Render, and GitHub Pages.
- Maintained version control, CI/CD workflows, and project updates via Git/GitHub, ensuring timely delivery and client satisfaction.
- Managed all aspects of projects, from requirement gathering and architecture planning to development, deployment, and maintenance, demonstrating full-stack ownership and technical expertise.

Projects

Blend Clothing | Men's Fashion E-Commerce Platform | Node.js, Express.js, MongoDB, EJS, AWS

blendFashion

- Developed a comprehensive men's fashion e-commerce platform with key modules such as product listing, variants, cart, wishlist, orders, payments, refunds, wallet, and referrals.
- Implemented secure user authentication and authorization with role-based access control for users and admin.
- Built a dynamic admin dashboard for managing products, categories, variants, coupons, and offers, ensuring full operational control.
- Integrated Razorpay payment gateway for smooth transactions, including wallet support and automated refund handling.
- Added coupon, referral, and discount systems to boost user engagement and retention.
- Used Cloudinary for efficient and optimized image storage and delivery.
- Designed a fully responsive and modern UI using EJS, Bootstrap, and Tailwind CSS for seamless performance across all devices.
- Deployed on AWS EC2 using Nginx as a reverse proxy and PM2 for process management, ensuring reliability and scalability.
- Handled end-to-end development, deployment, and maintenance, demonstrating complete full-stack ownership and attention to detail.

Pinet | Real-Time Chatting App | Socket.IO, Node.js, Express.js, React, MongoDB, Render, Vercel

Pinet Real Time Chating App

- Developed Pinet, a real-time messaging application inspired by WhatsApp, leveraging Socket.IO for instant,

bidirectional WebSocket communication.

- Implemented one-to-one and group chats, message delivery status (sent/delivered/read), typing indicators, and user online presence.
- Integrated media sharing (images, videos, and documents) using Cloudinary with chat data stored in MongoDB for persistent history.
- Secured user authentication and sessions using JWT, with encrypted message flow over HTTPS/WSS.
- Designed a responsive and modern React-based UI, ensuring smooth real-time updates and cross-device compatibility.
- Configured Redis (Socket.IO adapter) for scalability and efficient multi-instance communication.
- Deployed the frontend on Vercel and backend on Render, ensuring smooth CI/CD, reliable uptime, and automatic scaling.
- Oversaw complete end-to-end development, deployment, and maintenance, ensuring low latency and a seamless chat experience.

Twitter | Social Media | Node.js, Express.js, React, MongoDB, Render, Vercel

Twitter-like Social Media Application

- Designed and developed a Twitter-like full stack social media application.
- Built the frontend using React.js, creating reusable, responsive UI components.
- Developed the backend APIs using Node.js and Express.js. Implemented user authentication and authorization (login, signup, protected routes). Designed and managed the database schema and handled CRUD operations.
- Handled state management, form validation, error handling, and loading states. Ensured secure API communication and optimized application performance.
- Designed a responsive and modern React-based UI, ensuring smooth real-time updates and cross-device compatibility.
- Deployed the frontend on Vercel and backend on Render, ensuring smooth CI/CD, reliable uptime, and automatic scaling.
- Oversaw complete end-to-end development, deployment, and maintenance, ensuring low latency and a seamless chat experience.

WhatsApp Automation Tool | Business Messaging Platform | MERN, React.js, Tailwind CSS, REST APIs

WhatsApp Automation Tool

- Designed and developed a responsive WhatsApp automation platform with a scalable frontend using React.js and Tailwind CSS.
- Integrated frontend with backend REST APIs to trigger automated WhatsApp messages and retrieve real-time message status updates.
- Built dynamic UI modules for message template management, enabling users to create, edit, preview, and reuse WhatsApp-approved templates.
- Developed automation configuration workflows for setting up message triggers, rules, and campaign-based messaging flows.
- Implemented real-time message status tracking (sent, delivered, failed) using webhook-based backend responses.
- Designed and developed a responsive dashboard to manage contacts, campaigns, and messaging operations across devices.
- Added robust form validation and error handling to ensure accurate automation setup and prevent invalid configurations.
- Followed reusable and modular component architecture for scalability and maintainability.
- Ensured seamless frontend-backend communication and optimized performance for handling large-scale messaging workflows.
- Deployed the application with optimized production builds, ensuring reliability, responsiveness, and cross-device compatibility.

3D Model Viewer | React, Three.js, Vite, Render, Vercel

3D-Viewer-Website

- Developed a 3D model viewer application allowing users to upload, view, and interact with 3D objects in real time using Three.js.
- Implemented rotation, zoom, and pan controls for intuitive 3D navigation and seamless visualization.
- Integrated media sharing (images, videos, and documents) using Cloudinary with chat data stored in MongoDB for persistent history.
- Built with React and Vite for a fast, modular, and optimized front-end architecture.
- Designed a responsive, modern UI, ensuring smooth performance across devices and browsers.
- Deployed on Render (backend) and Vercel (frontend) for reliable hosting, continuous deployment, and maintenance via GitHub.

Mini Project

ServiceHub | Service Booking Application | React 18, TypeScript, Redux Toolkit, Tailwind CSS

Service Hub

- Designed and developed a modern, fully-featured service booking application with a scalable frontend architecture using React 18 and TypeScript.
- Implemented a 7-step multi-step booking wizard including service selection, location (with geolocation support), date time scheduling, user details, address input, and final review/confirmation.
- Utilized Redux Toolkit for efficient global state management and implemented state persistence using localStorage to maintain booking progress.
- Built reusable, responsive UI components using Tailwind CSS with modern design principles including glassmorphism, gradients, and micro-interactions.
- Integrated form validation with real-time error handling to enhance user experience and data accuracy.
- Developed an admin dashboard to manage bookings, track revenue, view statistics, and update booking statuses in real-time.
- Implemented smooth animations and transitions using Framer Motion to improve user interaction and engagement.
- Ensured accessibility using ARIA labels, semantic HTML, and keyboard navigation support.
- Optimized application performance and ensured cross-browser compatibility across mobile, tablet, and desktop devices.
- Followed TypeScript strict mode for type safety and maintainable code structure.

Pinet | Banking Brochure Website | HTML, CSS, JavaScript, Bootstrap, GitHub Pages

Pinet-banking

- Designed and developed Pinet, a responsive static banking brochure website showcasing financial services, products, and customer information.
- Built an elegant and professional UI layout using HTML, CSS, and Bootstrap, ensuring a clean, modern look with consistent responsiveness.
- Added smooth scrolling, animations, and interactive sections using vanilla JavaScript to enhance user engagement.
- Focused on performance optimization, SEO-friendly structure, and accessibility compliance for an improved browsing experience.
- Deployed on GitHub Pages with version control and seamless updates through Git and GitHub.

Website Clone – Realme | rapido | HTML, CSS, JavaScript, Bootstrap

realme-clone

- Created clone websites of popular platforms — Realme (product showcase) and Rapido (ride-booking interface) — to replicate real-world UI design and structure.
- Developed fully responsive layouts using HTML, CSS, and Bootstrap, optimized for smooth performance across devices.

- Implemented interactive elements and animations with JavaScript to enhance user engagement and navigation flow.
- Focused on pixel-perfect design, accessibility, and cross-browser compatibility, ensuring professional presentation and usability.
- Deployed both projects on GitHub Pages, maintaining version control and streamlined updates through Git and GitHub.

WeatherNow | Weather Forecast Web App | HTML, CSS, JavaScript, OpenWeather API

Weather-App

- Developed WeatherNow, a real-time weather forecast application that provides current conditions and 5-day forecasts for any city using the OpenWeather API.
- Implemented API integration with dynamic data rendering through JavaScript, displaying temperature, humidity, wind speed, and weather icons.
- Designed a responsive and user-friendly interface using HTML, CSS, and Bootstrap, ensuring accessibility across all devices.
- Added error handling for invalid city input and improved UX through intuitive animations and loading indicators.
- GitHub Pages are deployed with version control via Git, ensuring smooth updates and easy maintenance.

PinetChatBot | Chatbot Web App | HTML, CSS, JavaScript, Vercel

ChatBot-App

- Built ChatBot, an interactive chatbot web application designed to simulate real-time conversations using preset user inputs.
- Implemented JavaScript-based conditional logic to handle multiple query response patterns and deliver instant responses.
- Designed a modern, responsive chat interface with HTML and CSS, creating a clean and intuitive user experience.
- Smooth animations and typing effects have been added to enhance realism and engagement during interaction.
- Deployed on Vercel for reliable hosting, automatic builds, and seamless version control integration via GitHub.