

Muhsin Achipra

Full Stack Developer

muhsinachipra@gmail.com | [+91 7593950878](tel:+917593950878) | [LinkedIn](#) | [GitHub](#) | [Leetcode](#)

SUMMARY

Self-taught and results-driven **Full Stack Developer** with expertise in **MERN stack, TypeScript**, and scalable cloud deployments on **AWS**. Proven ability to deliver high-performance, production-ready applications, including optimizing legacy systems for **200% faster API responses** and architecting scalable solutions from scratch. Adept at collaborating with cross-functional teams, resolving complex technical challenges, and consistently meeting tight deadlines. Passionate about clean code, modern development practices, and continuous learning to stay ahead of emerging technologies.

TECHNICAL SKILLS

Languages	: JavaScript, TypeScript, SQL, CSS, HTML, C++, Java
Frameworks & Libraries	: React.js, Redux, Express.js, Socket.IO, Tailwind CSS, Material UI, Bootstrap, React Router DOM, React Hook Form, Formik, JWT, Stripe, Nodemailer, Nest.js, bcrypt.js, ZegoCloud, Mongoose, Razorpay
Databases	: MongoDB, PostgreSQL, MySQL, Redis
Tools & Platforms	: Node.js, AWS, Git, GitHub, Bitbucket, Trello, Slack, Atlassian Suite (Jira), Figma, Firebase, Docker, Postman, Cloudinary SDK, Google Cloud Platform, AWS S3 bucket, AWS EC2, AWS Route 53, NGINX
Concepts & Architecture	: Clean Architecture, MVC Architecture, Clean Code, Data Structures, Software Development Life Cycle (SDLC), Object-Oriented Programming(OOP)

EXPERIENCE

Full Stack developer <i>Zoptal Solutions Pvt. Ltd, Punjab</i>	<i>02/2025 – 10/2025</i>
MERN Stack developer <i>Brototype, Kerala</i>	<i>07/2023 – 02/2025</i>

PROJECTS

Key Projects at Zoptal Solutions

- **Foam (Car Washing Service):** Served as **Backend Lead**, orchestrating the end-to-end development of a MERN-stack application and directing the integration of complex features like real-time booking and subscription management.
 - * **Complex Booking System:** Architected and implemented a multi-faceted booking engine featuring real-time slot availability, service selection, and dynamic scheduling logic.
 - * **Subscription Payments:** Integrated **Stripe** API to build a robust subscription management system, enabling automated recurring billing, secure payment processing, and user plan management.
 - * **Admin Panel Dashboard:** Developed a comprehensive admin panel with a data-driven dashboard, visualizing key metrics like revenue, user growth, and booking trends with multiple interactive graphs.
 - * **Automated Notifications:** Implemented scheduled cron jobs to automate timely user communications, such as booking reminders, payment confirmations, and subscription status updates.
 - * **Full-Stack UX:** Contributed to both user-side and admin-side development, including enhancing the admin UI with a site-wide dark mode for improved readability.
 - * **Performance Optimization:** Integrated third-party driver-side APIs and implemented **Redis** caching to reduce latency and minimize external API calls.
- **Climate Meet (Event Booking Platform):** Optimized a legacy MERN stack project with heavy tech debt, achieving **200% API performance improvement**. Reduced database overhead by restructuring schema, delaying slot creation until booking, simplifying relations, adding indexes, and optimizing MongoDB queries for datasets exceeding **50K events**.
- **Passion Flow (Social Media Platform):** Built core features such as posting fashions, following users, and interaction feeds. Designed admin panel using **React, Vite**, and **Bootstrap**.
- **Gutter Monkeys (Service Booking):** Implemented **Stripe** payment gateway with saved cards, refunds, and subscription features. Developed Google Play and Apple Pay in-app purchase integrations. Built multiple admin panels and dashboards for mobile-first teams.

- **Deployment & DevOps:** Deployed multiple applications to **AWS EC2** using **PM2** with multi-process clustering and **NGINX** reverse proxy for load balancing and SSL.
- **Collaboration:** Worked closely with mobile front-end teams, delivering APIs, admin panels, and scalable backend solutions while consistently meeting deadlines.

AskExpert [Live Link](#) [GitHub - Frontend](#) [Backend](#)

An online platform connecting users with verified professionals for remote consultations via chat and video. Features appointment booking and distinct modules for Users, Experts, and Admins.

- Implemented **real-time communication** via **Socket.IO** for chat and **Zego Cloud** for video calls.
- Utilized **AWS S3** for secure and scalable user file storage.
- Secured user access with **Google Auth** and **Firebase OTP** verification.
- Developed an efficient scheduling and appointment booking system for expert consultations.
- Built a responsive UI with **Tailwind CSS** to optimize load times and user experience.
- Integrated **Stripe** and **Webhooks** for secure, international payment processing.
- Engineered with **Clean Architecture** and **SOLID** principles for a maintainable and scalable backend.
- Improved performance by leveraging **RTK Query** for API response caching.
- **Technologies Used:** **React**, Tailwind CSS, **Redux**, Express.js, **Node.js**, MongoDB, AWS Route 53, **Socket IO**, Stripe

VATCHSHOP [Live Link](#) [GitHub](#)

A scalable, fully responsive **E-Commerce** watch platform. Features a complete admin and user experience including product management, cart, wishlist, order tracking, coupons, and multiple payment options.

- Implemented **user authentication** with **SMTP** email verification and Google Auth.
- Designed a responsive **UI/UX** using **EJS**, **Bootstrap**, and CSS for a seamless cross-device experience.
- Integrated the **Razorpay** API for secure **payment gateway** processing.
- Developed a full-featured **Admin dashboard** for user management, sales reporting, and product lifecycle control.
- Deployed on **AWS EC2** with **Nginx**, **Certbot**, and **PM2**, achieving **99.9%** uptime and improved server response times.
- **Technologies Used:** HTML/CSS, Bootstrap, EJS, JavaScript, Node.js, **AWS EC2**, Express.js, **MongoDB**, **MVC Architecture**, Razorpay

CERTIFICATIONS

AWS Certified Cloud Practitioner (CLF-C02) Cert Prep: 1 Cloud Concepts [Link](#)

LinkedIn Learning

Completed course on cloud concepts covering skills in Cloud Computing and Amazon Web Services (AWS).

Career Essentials in Generative AI [Link](#)

Microsoft and LinkedIn

Completed a comprehensive learning path covering skills in Generative AI, Computer Ethics, and Artificial Intelligence.

EDUCATION

Bachelor of Computer Applications
University of Calicut 2020 - 2023

HIGHER SECONDARY (Computer Science)
GHSS Nirmamaruthur, Kerala 2018 - 2020

OTHER SKILLS

- Soft Skills** : Self-learning, Problem solving, Adaptability, Leadership, Critical thinking
- Languages** : English, Malayalam (Native), Tamil, Hindi