

# Muhsin Achipra

Full Stack Developer

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## 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

Zoptal Solutions Pvt. Ltd, Punjab

02/2025 – 10/2025

### MERN Stack developer

Brototype, Kerala

07/2023 – 02/2025

## 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

### WATCHSHOP

[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

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### 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

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### Bachelor of Computer Applications

*University of Calicut*

2020 - 2023

### HIGHER SECONDARY (Computer Science)

*GHSS Niramaruthur, Kerala*

2018 - 2020

## OTHER SKILLS

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**Soft Skills** : Self-learning, Problem solving, Adaptability, Leadership, Critical thinking

**Languages** : English, Malayalam (Native), Tamil, Hindi