Muhsin Achipra
MERN Stack Developer

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SUMMARY

Highly skilled self-taught full-stack developer with a proven track record in building industrial-level products and high-performance web applications. Demonstrates strong adaptive skills enabling rapid learning and mastery of new technologies and methodologies. Committed to continuous learning and staying current with 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
Tools & Platforms	:	Node.js, AWS, Git, GitHub, Firebase, Figma, 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

MERN Stack developer
Brototype, Kerala   *07/2023 – Present*

PROJECTS

AskExpert   Live Link | GitHub - Frontend | Backend

AskExpert is an online platform connecting users with verified professionals across fields like doctors, lawyers, and mechanics. It allows users to book appointments and consult experts via chat or video calls, offering a seamless, remote experience. The platform includes a user-friendly interface and three core modules: User, Expert, and Admin.

- **Real-time Conversations:** Enabled through **Zego Cloud** video calls .
- **File Storage:** Utilized **AWS S3** for scalable and secure management of user-uploaded files.
- **Real-time Chat:** Implemented scalable real-time chat functionality using **Socket.IO** to support seamless communication between users.
- **Authentication:** Integrated **Google authentication** and **Firebase OTP** verification for secure and seamless user access.
- **Booking System:** Developed a scheduling system for organized and efficient expert consultations.
- **User Interface:** Enhanced with **Tailwind CSS**, optimizing load times and improving overall user satisfaction.
- **Payment Integration:** Integrated **Stripe** for secure international transactions with **Webhook**-based payment processing.
- **Architecture:** Built following **Clean Architecture** principles and adhering to **SOLID** principles for maintainability and scalability.
- **Query Optimization:** Leveraged **RTK Query** for caching and managing API responses, significantly improving database query performance.
- **Technologies Used: React**,Tailwind CSS, **Redux**, Express.js, **Node.js**, MongoDB, AWS Route 53, **Socket IO**, Stripe

VATCHSHOP   Live Link | GitHub

A scalable **E-Commerce** platform exclusively for watches, optimized for both mobile and desktop. It includes features like product management, cart, wishlist, order tracking, cancellations, coupon redemption, referral rewards, and multiple payment options for an enhanced user experience.

- **User authentication** with **SMTP** mailing and Google Auth for secure login.
- Designed a responsive **UI/UX** using **EJS**, **Bootstrap**, and CSS for seamless user experience across devices.
- Integrated **Razorpay** for secure and efficient **payment gateway** processing.

- Developed an **Admin dashboard** featuring user management, sales reporting, and product lifecycle management.
- Leveraged **AWS EC2**, **Nginx**, **Certbot**, and **PM2** to deploy high-performance, reliable, and secure applications, achieving **99.9%** uptime and significantly improving server response times.
- **Technologies Used:** HTML/CSS, Bootstrap, EJS, JavaScript, Node.js, **AWS EC2**, Express.js, **MongoDB**, **MVC Architecture**, Razorpay

MINI PROJECTS

Pinterest-Like App   [GitHub](#)
This is a simple Pinterest-like app built using **NestJS**, Node.js, React, and MongoDB. The app allows users to like and tag pictures, follow and unfollow creators. It includes automated unit tests and a test coverage report. The project structure is split into a backend and frontend.

Ticket Management System   [GitHub](#)
Ticket Management System is an API built with Node.js, **TypeScript**, and Express, utilizing **PostgreSQL** for data storage. It streamlines event ticket management with user authentication, ticket creation, updates, analytics, and input validation, while security features like rate limiting enhance the experience for organizers and attendees.

TaskMaster   [GitHub](#)
This is a full-stack Task Management Application built with React, Node.js, Express, MongoDB, and **Socket.IO**. The application allows users to manage their tasks with CRUD operations, real-time updates, and data visualization for task statistics.

ArticlesFeed   [GitHub](#)
This is a full-stack web application that allows users to register, log in, and view personalized article feeds based on their preferences. Users can create, edit, and manage their articles, as well as adjust their preferences. The application is built using React, Node.js, **Express.js**, and MongoDB.

Netflix Clone Application   [GitHub](#)
A Netflix clone application leveraging React technology and Tailwind CSS, integrated with the **TMDB API**, to dynamically fetch and display movie and TV show data.

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 Niramaruthur, Kerala   *2018 - 2020*

OTHER SKILLS

SOFT SKILLS

Self-learning	Adaptability	Critical thinking
Problem solving	Leadership	

LANGUAGES

English	Malayalam (Native)	Tamil