Ajin R

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in ajin-r   ⌨ hainweb   🔗 Portfolio

Summary

Full-Stack Developer with strong expertise in the MERN stack and modern web development. Specialized in creating visually stunning and accessible web applications that prioritize high availability and scalability. Committed to lifelong learning and embracing new challenges, seeking continuous growth and improvement.

Technical Skills

- **Languages**: JavaScript, TypeScript, MongoDB, HTML, (S)CSS

- **Libraries & Frameworks**: Node.js, Express, React, NextJS 14, TailwindCSS

- **Microservices**: Docker, Kubernetes, Redis, Helm

- **Tools & Platforms**: Git, Jest, Github Actions, Netlify, Render, Vercel, AWS, Firebase

- **Design & Prototyping**: Figma, Photoshop, Blender

- **Concepts**: Clean Architecture, MVC Architecture, SOLID Principles

Experience

Project-Based Software Development Trainee   Mentor Bro

                                                                            April 2025 – Present

- Built and deployed full-stack web applications using the **MERN** stack (MongoDB, Express.js, React.js, Node.js)

- Contributed as a backend developer on the **Kooli App** project, focused on scalable and secure backend architecture

- Designed and implemented **RESTful APIs** using Node.js and Express for efficient and secure communication

- Developed and optimized MongoDB schemas and queries to reduce latency and improve data access

- Integrated third-party services including payment gateways and cloud storage

- Implemented authentication and role-based access control using **JWT** and **middleware**

Projects

Multi-Role E-Commerce Platform | MongoDB, Express.js, React.js, Node.js, Tailwind CSS

Live ↗ | GitHub ↗

Designed and developed a full-stack, production-grade e-commerce platform using the **MERN stack**, featuring **role-based access control** for **Users**, **Merchants**, **Delivery Personnel**, and **Super Admin**. Implemented a clean **MVC architecture**, built robust **RESTful APIs**.

– **Authentication:** OTP-based signup and password reset via email, secured login using **JWT** and **Express Session**, password hashing with **Bcrypt**.

– **User Panel:** Dynamic slider and category sections managed by Super Admin, complete profile and address management, dynamic wishlist and cart, auto-applied coupon system, seamless **Razorpay** payment integration, real-time **order tracking** with cancel/return flows, and downloadable PDF invoices.

– **Product Discovery:** Fully-featured product page with **dynamic** search, category-based filtering, price and sorting functionality. Implemented a responsive layout with a **dark/light** theme toggle to enhance **UX** and accessibility across devices.

– **Merchant Panel :** Role-based access to product management with full **CRUD** operations, image upload and preview via **Multer**, stock level monitoring, category assignment, personalized **order history,** and product performance **analytics**.

– **Super Admin Panel:** Centralized management of users, merchants, delivery personnel, product categories, sliders. Coupon creation with auto-apply logic based on purchase threshold. Access to full platform-wide **analytics** and **invoice** export.

– **Delivery Panel:** Dedicated dashboard to update order status (e.g., shipped, delivered), view delivery address and customer contact info, and mark cash collected to admin.

– **Analytics Reporting:** Real-time dashboards for revenue (total income, AOV, conversion rate), product trends, user activity graphs, and filterable reports by date range, downloadable sales and invoice reports.

Mini Projects

SEO-Optimized Blog App | Next.js, MongoDB, Tailwind CSS

Live ↗ | GitHub ↗

Built a blog platform using **Next.js** with **Server-Side Rendering (SSR)** for enhanced

SEO and performance. Designed without UI libraries to focus on core concepts and custom styling.

- Implemented file-based dynamic routing and custom meta tags
- Applied responsive design with Tailwind CSS
- Emphasized SEO fundamentals with semantic HTML structure

Invoice Generator App | Next.js, Tailwind CSS   Live ↗ | GitHub ↗

Created a responsive invoice tool with dynamic forms and client-side PDF generation. Focused on interactivity, clean UI, and modular component structure.

- Added/removable items with live subtotal and tax calculations
- Auto-generates invoice numbers and dates
- Exports invoices as downloadable PDFs directly from the browser

Real-Time Chat App | React.js, Node.js, Express, Socket.IO   GitHub ↗

Built a real-time chat application with user login, group messaging, and dynamic UI updates. Designed for responsive layout and scalable state management.

- Implemented real-time messaging using **Socket.IO** for instant communication
- Created modular React components for login, groups, chat UI, and message views
- Managed global app state (theme, sidebar updates) using Redux
- Built **RESTful** backend with Express and integrated **WebSocket** events for chat flow

Education

Higher Secondary, Computer Science   2023 – 2025

KCP Hss, Kavassery