

ASWIN KRISHNA

MERN Stack Developer

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Summary

A Self taught MERN Stack Developer with a strong passion for building dynamic and user-focused web applications. Proven ability to deliver full-stack solutions from ideas to working application. Adaptable in fast-paced environments and continuously learning to stay ahead in the tech field.

Skills

- **Languages:** Javascript, Typescript
- **Frontend Technologies:** HTML, CSS, JavaScript (ES6+), React.js, Redux, Tailwind CSS
- **Backend Technologies:** Node.js, Express.js, REST APIs, Socket.io
- **Database:** MongoDB
- **Cloud & Hosting:** AWS EC2, Firebase, Nginx, Cloudflare, Zoho Catalyst, Render
- **Tools & Platforms:** Git, Github, Postman
- **Concepts:** MVC Architecture, Authentication & Authorization, Lazy Loading

Projects

TECHTRIBE – Mentorship & Communication Platform

[Live](#) | [GitHub-Frontend](#) | [GitHub-Backend](#)

Tech-Stack: React.js, Node.js, Express, MongoDB, AWS EC2, AWS SES, Nginx, PM2, Cloudflare, Socket.io, Razorpay

- **Infrastructure & Security:** Hosted on AWS EC2 and secured with Cloudflare.
- **Lazy Loading:** Improved initial load performance by 14% using lazy loading.
- **User Authentication:** Implemented secure login/signup functionality using JWT authentication.
- **Real-time Chat:** Developed real-time chat functionality using Socket.io for seamless messaging.
- **Payment Integration:** Integrated Razorpay for secure and reliable online transactions.
- **Email Notifications:** Automated user email notifications using AWS SES.
- **Responsive UI:** Built fully responsive UI optimized for all devices using Tailwind CSS.
- **Shimmer UI:** Enhanced UX with Shimmer UI skeleton loaders.
- **Scalability & Performance:** Optimized servers with Nginx & PM2 and Cloudflare integration.
- **State Management:** Managed global state efficiently in frontend applications using Redux.
- **RESTful APIs:** Developed efficient and secure REST APIs using Express.

NEXTSTAY – Hotel Booking Platform

[Live](#) | [Github](#)

Tech-Stack: Typescript, React.js, Node.js, Express, MongoDB, React Query, React Hook Form, Render, TailwindCSS, Stripe

- **User Authentication:** Implemented secure sign-up/login functionality using JWT-based authentication.
- **Hotel Booking System:** Users can browse, book hotels, and also list their own properties for booking.
- **Payment Integration:** Integrated Stripe for secure and seamless online payments.
- **Form Handling:** Built robust and dynamic forms using React Hook Form for efficient input validation.
- **Efficient Data Fetching:** Used React Query to manage server state and optimize performance.
- **Responsive UI:** Developed fully responsive, mobile-friendly UI using Tailwind CSS.
- **Pagination:** Implemented pagination to handle large hotel datasets and improve load performance.
- **Deployment:** Deployed the full-stack app on Render for reliable and scalable hosting.

Mini-Project

AkTrendz – Clothing Store

[Live](#) | [Github](#)

- Built using the MERN Stack (React, Node.js, Express, MongoDB)
- Developed a fully responsive e-commerce web app with user authentication and secure payments.
- Implemented features like product filtering, size variants, cart functionality, and order tracking.
- Built an admin dashboard to manage products and update order status (Packing, Shipped, etc.).
- Integrated Razorpay for online payments and used JWT for secure user sessions.

E-Commerce Website (static)

[Live](#) | [Github](#)

- Designed and developed a responsive static e-commerce website layout.
- Showcased product listings, homepage, and cart layout using only HTML and CSS.
- Focused on clean UI design, responsive layout, and semantic HTML structure.
- Practiced foundational web design principles including Flexbox, Grid, and media queries.

Education

Jain University

Bachelor of Commerce
CGPA: 8.4

2021 - 2024
Bangalore, Karnataka

Sree Krishna Higher Secondary School

Computer Science
CGPA: 7.5

Palakkad, Kerala

Certification

- | | |
|---|-----------------------------|
| • Namaste Javascript | Certificate |
| • MongoDB Developer’s Toolkit | Certificate |
| • Introduction to Generative AI | Badge |
| • Postman API Fundamentals Student Expert | Badge |