

ASWIN KRISHNA

Full Stack Developer

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PROFILE SUMMARY

A self-taught MERN stack developer with a strong passion for coding and exploring new technologies. I aim to be a valuable team player in an innovative AI-focused and forward-thinking organization that is dedicated to building cutting-edge solutions for the next generation. Committed to lifelong learning and embracing new challenges, seeking continuous growth and improvement.

TECHNICAL SKILLS

- Frontend Technologies:** HTML, CSS, JavaScript, React.js, Redux, React-Router-Dom, Tailwind CSS, Bootstrap
- Backend Technologies:** Node.js, Express.js, REST APIs, Socket.io
- Database:** MongoDB, Mongoose
- Cloud & Hosting:** AWS EC2, Firebase, Nginx, Cloudflare, Zoho Catalyst, Vercel, Render
- Tools & Platforms:** Git (Version Control), Postman (API Testing & Development)
- Concepts:** MVC Architecture, Authentication & Authorization, Lazy Loading
- IDEs:** Visual Studio Code, Eclipse

PROJECTS

TECHTRIBE – Mentorship & Communication Platform

Live | GitHub | Demo

“ I developed **TECHTRIBE**, an online mentorship and communication platform, as a meaningful **solution** to a challenge I faced early in my IT career. Like many beginners, I struggled with questions such as **'Where do I start?'** and **'Which path is right for me?'**. **TECHTRIBE** aims to help aspiring techies to navigate their journey with clarity and confidence. “

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

- Infrastructure & Security:** Hosted on **AWS EC2**, optimized with **Nginx & PM2**, and secured with **Cloudflare**.
- Lazy Loading:** increase the initial load **performance** by **22%**, Lighthouse score from 66% to 80%.
- User Authentication:** Secure login/signup with **JWT** authentication.
- Real-time Chat:** Implemented using **Socket.io** for seamless messaging.
- Payment Integration:** Integrated **Razorpay** for secure online transactions.
- Email Notifications:** Automated user notifications via **AWS SES**.
- Modular Design:** Applied **Single Responsibility Principle** for clean, maintainable & scalable code structure
- Responsive UI:** Fully optimized for all devices using **Tailwind CSS**.
- Shimmer UI:** Enhanced UX with skeleton loaders for a smooth experience.
- Scalability & Performance:** Optimized with **Nginx, PM2**, and **Cloudflare** for high availability.
- State Management:** Used **Redux** for efficient global state management in the frontend.
- RESTful APIs:** Developed efficient and secure backend APIs using **Express**.
- API Testing:** Used **Postman** to test and validate RESTful APIs for performance, security, and reliability.

EDUCATION

CERTIFICATIONS & BADGES

Bachelor of Commerce Jain University, Bangalore CGPA: 8.4	2021 - 2024	Introduction to Generative AI	Badge
		Postman API Fundamentals Student Expert	Badge
Plus Two (Computer Science) S.K.H.S.S, Palakkad CGPA: 7.5		Namaste Javascript	Certificate
		MongoDB Developer’s Toolkit	Certificate