

AKASH PRASAD

MERN Stack Developer

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Profile Summary

MERN Stack Developer with a strong foundation in crafting efficient, scalable web solutions. Proficient in leading-edge technologies, delivering high-performance and user-centric web applications. Passionate about enhancing efficiency through clean, maintainable code, and continuously committed to professional growth and tackling new challenges in the tech industry.

Technical Skills

- **Languages:** JavaScript, TypeScript
- **Frontend:** React.js, HTML, Redux, Tailwind CSS, Bootstrap, Embedded JavaScript (EJS), CSS
- **Backend:** Node.js, Express.js, REST APIs, Repository Architecture, Clean Architecture, MVC, Mongoose
- **Infrastructure:** Data Structures, npm, Nginx, PM2, Load Balancing, CI/CD pipelines
- **Databases:** MongoDB
- **Integration:** Razorpay, Multer, Socket.IO, Firebase, JWT (JSON Web Token), Nodemailer, Zegocloud, n8n
- **Deployment:** AWS EC2, GitHub Actions, Render, Vercel
- **Developer Tools:** Visual Studio Code, GitHub, Postman, Figma
- **Computational Skills:** Data Structures and Algorithms
- **Soft Skills:** Self-Learner, Problem-solving, Time management, Adaptability, Organizational skills

Experience

M-DEV solutions

2025 June - August

Delhi (remote)

- Developed and maintained multiple full-stack applications, including a **Client Relationship Management (CRM) platform**, **Advocate website**, and automated AI workflows using **n8n**.
- Built scalable and responsive applications using the **MERN stack**, **PostgreSQL**, and **TypeORM**, ensuring seamless integration between frontend and backend.
- Implemented AI-driven automation and workflow orchestration with **n8n**, optimizing client operations and reducing manual work.
- Deployed and managed production environments on **Hostinger**, ensuring reliability and security of deployed services.
- Utilized **Git** for version control, maintaining clean code practices and collaborating effectively across development tasks.

Projects

PROCO - Professional Calling Website

 GitHub

Built PROCO, a platform that allows users to connect with professionals through video and chat, enabling seamless communication for career advice and consultations using **Socket.IO**, and video call powered by the **WebRTC**.

- Built the backend using **Express.js** and **MongoDB** (with **Mongoose**), following the **Repository pattern** to ensuring maintainability and scalability, and integrated **Razorpay** for seamless payment processing.
- Created a responsive frontend with **React**, styled using **Tailwind CSS**, and managed state with **Redux**, with authentication handled by **JWT**, **Nodemailer**.

- incorporated **S3 bucket** for efficient storage and delivery of files and images, with enhanced API security using JWT tokens, along with **Axios interceptors**.
- Architected a scalable cloud infrastructure by deploying on **AWS EC2** with **Nginx, Certbot** as a reverse proxy, leveraging **PM2** for process management, and implementing auto-scaling for handling high-traffic loads.

Nexus - E-commerce Website

[Live Link](#) | [GitHub](#)

Created **Nexus**, specializing in shoe **E-commerce functionalities**. offering customers an easy-to-use interface for browsing and buying products online. It includes secure payments, customer accounts, order tracking, and hassle-free returns.

- Designed responsive UIs using **Embedded JavaScript (EJS)** and **Tailwind**, ensuring cross-browser compatibility and optimized UX.
- Engineered and optimized the backend using **Node.js, Express.js** and **Mongoose** (Mongoose), implementing the Repository pattern to enhance code reusability and reduce API response time
- Made secure registration and authentication using **Nodemailer** for email OTP verification.
- Improved advanced product filtering, cart, wishlist, and seamless purchasing with Cash on Delivery (COD) or online payments via **Razorpay**.
- Added a **wallet** system to manage funds from returns or cancellations.
- Built an **Admin console** to manage products, stock, view statistics, download reports, and more.
- Deployed on **AWS** for high availability and scalability, and configured **Nginx** as a **reverse proxy** and **load balancer**.

Mini Projects

Inventory management system : Inventory Management Platform

[GitHub](#)

- Enhanced a full-stack application using **MongoDB, Express.js, React, Node.js**
- executed a user-friendly interface with features like bulk product addition, real-time inventory updates, and intuitive categorization.
- Hosted on **Vercel** and **Render** to ensure a seamless and reliable experience for managing inventory efficiently.

Task Manager : Task Manager Platform

[GitHub](#)

- Build a web-based, Task Management System enabling users to create, track, and manage tasks efficiently.
- Utilized **React** for the frontend, ensuring an intuitive and responsive user experience.
- Created the backend using **Node.js** and MongoDB to handle real-time storage, also used **Clean Architecture**
- Applied real-time task collaboration using **Socket.IO**, enabling instant updates across multiple user sessions for a seamless experience.

Chat App

[GitHub](#)

- Chat Application using **React** and **Socket.IO** for real-time messaging.
- enforced real-time communication enabling instant message delivery.
- User authentication to ensure secure access and personalized chat sessions.
- A fully responsive UI, ensuring an intuitive and seamless experience across all devices.

Education

B.Tech in EEE

2018 - 2022 (Ongoing)

Trinity College of Engineering, Trivandrum, Kerala

MERN Stack Development

2023- 2025 ([certificate](#))

Brototype, Trivandrum