Krishnapriya U.A

MERN Stack Developer

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LinkedIn | Website | GitHub

SUMMARY

Full Stack Developer with strong experience in MERN stack, building dynamic, scalable web applications and improving performance across frontend and backend. Proficient in React.js, Node.js, MongoDB, and Express.js, with a track record of reducing load times and optimizing user flows in production-ready apps.

SKILLS

Frontend : React.js, JavaScript, TypeScript, Redux, HTML, CSS3, Material UI
Backend : Node.js, Express.js, RESTful APIs
Databases : MongoDB, MySQL
Cloud and DevOps : AWS (EC2, S3), Git, GitHub, Postman, Redis (basic)
Others : Agile Methodologies, Data Structures & Algorithms, JWT(JSON Web Token), CI/CD (basic)
Soft Skills : Problem Solving, Team Collaboration, Communication

PROJECTS

Wellness Time Live

- Engineered a responsive wellness application with **MERN stack** that supported 3 user roles (Users, Admins, Trainers).
- Designed **RESTful APIs**, implemented **JWT authentication**, to enable secure user login and session management.
- Integrated **Razorpay** for seamless and secure payment processing for premium wellness services.
- Used **Socket.io** to deliver **real-time** messaging with 100% message delivery accuracy in user-trainer chats.
- Managed application state by using **Redux**, reducing unnecessary re-renders for a smooth experience.
- Styled the application using **Material UI** and **Bootstrap** ensuring full responsiveness across devices.
- Deployed the application on **AWS EC2**, using **Nginx** as a reverse proxy and **PM2** for process management.
- Technologies Used: MongoDB, Express.js, React.js, Node.js, Redux, Socket.io, JWT, Razorpay.

Women Fashion Live | Github

- Developed an e-commerce platform with an efficient backend using **Node.js, Express.js,** and **MongoDB.**
- Leveraged server-side rendering (SSR) using Handlebars, decreasing average page load time by 2.1 seconds.
- Integrated **Razorpay** for secure online transactions for customers with 100% transaction success.
- Created an **admin dashboard** for managing products, orders, and customer details.
- Constructed a responsive UI using **Bootstrap** and **media queries** for consistent layout across all device sizes.
- Applied the **debouncing** and **lazy loading** techniques to improve search efficiency and reduce API load.
- Added product **filtering, sorting,** and category-based navigation to enhance user experience
- Technologies Used: MongoDB, Express.js, Handlebars, Node.js, Bootstrap, Socket.io, Razorpay.

The Chat Box Github

- Built a real-time messaging app by using **Node.js, Express.js, Handlebars** to get instant messaging capabilities.
- Enabled **real-time message updates** by integrating **Socket.io**, ensuring instant message delivery across users.
- Created **RESTful APIs** with **Express.js** that reduced data retrieval time by ~30% and supported smooth communication between frontend and backend components.
- Technologies Used: MongoDB, Express.js, Handlebars, Node.js, JWT, Restful API, Socket.io, Razorpay.

EXPERIENCE

Full Stack Developer   April 2024 — Present
Freelance - Remote

- Independently built and deployed 2 full-stack applications — one with the MERN stack.
- Constructed responsive and visually engaging web applications, optimizing performance by reducing page load times by ~3 seconds and applying debouncing to enhance search functionality.

EDUCATION

Bachelor of Science in Mathematics, University of Calicut (GPA: 8.45 /10)   March 2021 — April 2024

Higher Secondary Education, Sabari Higher Secondary School, Pallikurup   August 2018 — March 2021