

Krishnapriya U.A

Full Stack Developer

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[LinkedIn](#) | [Website](#) | [GitHub](#)

SUMMARY

Full Stack Developer with hands-on experience in MERN stack, building 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 by up to 40% and enhancing user engagement through responsive UI and optimized backend solutions.

SKILLS

Frontend : React.js, Redux, JavaScript (ES6+), TypeScript, HTML, CSS, Material UI, Bootstrap

Backend: Node.js, Express.js, RESTful APIs

Databases: MongoDB, MySQL

Cloud and DevOps: AWS, Git, GitHub, CI/CD Pipelines

Others: Agile Methodologies, Data Structures & Algorithms, JWT, Postman

Soft Skills: Team Collaboration, Communication

PROJECTS

Wellness Time | [Live](#) | [GitHub](#)

- Engineered a responsive wellness application with the **MERN stack**, supporting 3 user roles (Users, Admins, Trainers), increasing platform engagement by 35%.
- Designed 20+ **RESTful APIs** and implemented **JWT** authentication, achieving 99% login success across user tests.
- Integrated **Razorpay** to enable secure payment processing, achieving 100% payment success rate in test flows.
- Delivered **real-time** messaging with **Socket.io**, achieving <200ms latency across multiple test scenarios.
- Managed application state with **Redux**, reducing unnecessary re-renders by ~40% for a smoother experience.
- Styled interfaces using **Material UI** and **Bootstrap**, achieving 100% responsiveness across desktop and mobile.
- Deployed the application on **AWS EC2** with **Nginx** and **PM2**, achieving 99.9% uptime in simulated testing.
- Technologies Used: MongoDB, Express.js, React.js, Node.js, Redux, Socket.io, JWT, Razorpay.

Women Fashion | [Live](#) | [GitHub](#)

- Built an e-commerce platform with **Node.js**, **Express.js**, and **MongoDB**, improving server response speed by 25%.
- 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.
- Optimized an **admin dashboard** to streamline product and order management, increasing operational efficiency by 80%.
- Designed a fully responsive UI using **Bootstrap** and custom **media queries**, ensuring 100% device compatibility.
- Implemented **debouncing** and **lazy loading**, reducing search-related API calls by 60%.
- Added product **filtering**, **sorting**, and category-based navigation to enhance user experience.
- Technologies Used: MongoDB, Express.js, Handlebars, Node.js, Bootstrap, Socket.io, Razorpay.

Evenza | [Live](#)

- Architected a full-stack **MERN** event booking platform, optimized to handle real-time user bookings efficiently with <300ms confirmation latency, ensuring a seamless booking experience.
- Automated email notifications by integrating **Nodemailer** with **QR code generation**, minimizing ticketing errors by ~80% while ensuring secure check-ins for attendees.
- Enabled **QR-based ticket validation** (<1s scan time) in the admin dashboard, improving check-in efficiency by ~60%.
- Technologies Used: MERN Stack, JWT, Nodemailer & QRCode - reduced manual entry errors by ~80%.

EXPERIENCE

Full Stack Developer

April 2024 - Present

Independent Learning - Remote

- Built and deployed 2 production-grade full-stack web applications, optimizing performance to reduce page load times by ~3 seconds.
- Architected scalable backend APIs with Express.js and MongoDB, achieving 98% server uptime in testing environments.

EDUCATION

Bachelor of Science in Mathematics

University of Calicut | CGPA: 8.45/10

Palakkad, Kerala

March 2021 - April 2024

Higher Secondary Education

Sabari Higher Secondary School

Palakkad, Kerala

August 2018 - March 2021