

# HARIKRISHNAN M

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## PROFESSIONAL SUMMARY:

**MERN Stack Developer** with 4 years of experience building scalable and high-performance web applications across **EdTech, B2B, E-commerce, TravelTech, and CMS** domains. Proficient in **React.js, Node.js, Express.js, and MongoDB**, with frontend expertise in **Tailwind CSS** and **Material UI**. Skilled in **REST API development, JWT/Firebase authentication, Razorpay integration, and MongoDB schema design**. Experienced in deploying full-stack applications on **AWS** using **Docker and CI/CD pipelines** to ensure scalability and performance.

## TECHNICAL SKILLS:

- **Frontend:** JavaScript (ES6+), React.js, Redux, Next.js, HTML5, CSS3, Tailwind CSS, Bootstrap, Material-UI
- **Backend & Database:** Node.js, Express.js, MongoDB, MySQL, PostgreSQL, REST APIs, GraphQL, Firebase
- **DevOps & Cloud:** Git, GitHub, CI/CD, Docker, AWS (EC2, S3, Lambda), Vercel, Render, Firebase, Heroku
- **Testing & Tools:** Unit Testing, Jest, Mocha, Cypress, Postman, Apifox, VS Code, Vite, ESBUILD
- **Project Management & Communication:** Jira, Trello, Confluence, Slack, Microsoft Teams, Zoom, Google Meet

## WORK EXPERIENCE:

**Full Stack Developer** – Ultrafly Solutions Pvt Ltd, Coimbatore | May 2025 – Oct 2025

- **Textlite-Oriented Web App (CMS + B2B Product Inquiry Platform)**
  - Delivered a **mobile-first CMS and inquiry platform** using React.js & Tailwind CSS, improving usability on all devices
  - Developed **blog, product, and category management modules** with secure Firebase authentication
  - Built an **Express.js + MongoDB backend** for structured content management and seamless data flow

- Implemented **search, filtering, and dashboard analytics**, enhancing data visibility for admins
- Integrated **Google Maps on the contact page** to display multiple branch office locations
- Built an **enquiry form system** that triggered automated email notifications to clients via **Nodemailer + SendGrid**, ensuring real-time enquiry tracking.

**Tech Stack:** React.js, Tailwind CSS, Node.js, Express.js, MongoDB, Firebase (Auth), Axios, Google Maps API, Nodemailer, SendGrid

- **Travel Agency Web App (Tourism CMS + WhatsApp Integration)**

- Launched a **responsive travel booking platform**, boosting user inquiries by 35%
- Designed an **admin panel with JWT authentication**, enabling staff to manage 100+ travel packages securely
- Integrated **WhatsApp Web Chat forms** to improve customer engagement and reduce response times
- Built a **Node.js + MongoDB backend** for dynamic content rendering and efficient package management

**Tech Stack:** React.js, Material UI, Node.js, Express.js, MongoDB, JWT, WhatsApp Web Integration

- **B2B eCommerce Platform (Order Management & Product Listing)**

- Built a **mobile-first eCommerce portal** with React.js, Tailwind, and Material UI, improving accessibility across devices
- Integrated **Razorpay payments**, ensuring smooth and secure transactions for 500+ monthly orders
- Implemented **order tracking & customer management modules**, reducing manual admin workload by 40%
- Optimized **API communication** with Axios and managed state effectively using Redux/Context API

**Tech Stack:** React.js, Tailwind CSS, Material UI, Node.js, Express.js, MongoDB, Firebase (Auth), Razorpay, Redux, Axios

**Software Engineer** – Focus Edumatics Pvt Ltd, Remote | Dec 2021 – Jan 2025

- **EdTech Learning Platform (LMS)**

- Architected **microservices-based backend** with Node.js & Express.js to support modular and scalable features

- Designed **scalable MongoDB architecture** ensuring efficient queries for 100k+ student/course records
- Optimized frontend with React.js through **lazy loading, memoization, and performance tuning**, reducing load times by 40%
- Implemented **API security** with CORS policies, rate limiting, and JWT-based authentication
- Integrated WebSockets for **real-time classes, chat, and progress tracking**
- Built a **custom CMS** for instructors/admins to manage courses and live sessions
- Implemented **subscription-based payments via PayPal**
- Deployed backend on AWS, containerized with Docker, and automated with CI/CD pipelines
- Developed an **AI-powered recommendation system** to suggest personalized courses

**Tech Stack:** React.js, Node.js, Express.js, MongoDB, WebSocket, AWS, Docker, PayPal

## EDUCATION:

**B.E. Computer Science and Engineering** | Sasurie Academy of Engineering, Coimbatore | 2016 – 2020 | CGPA: **7.42**

**HSC (2016)** – Govt. Hr. Sec. School, Erode | **90%**

**SSLC (2014)** – Govt. Hr. Sec. School, Erode | **96%**

## AWARDS & ACHIEVEMENTS:

- **Boosted Performance:** Reduced frontend load times by 40% through React optimization, lazy loading, and efficient API handling
- **Improved Engagement:** Designed responsive UIs with React.js, Tailwind CSS, and Material UI, driving a 30%+ increase in user interactions
- **Scalable Deployments:** Delivered production-ready apps on AWS with Docker & CI/CD pipelines, ensuring high availability for 10k+ users
- **Secure Payments:** Integrated Razorpay and PayPal gateways for smooth, secure transactions

## LANGUAGES:

- Tamil, English, Kannada