HARIKRISHNAN M

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PROFESSIONAL SUMMARY:

MERN Stack Developer with **3.8 years** of experience building scalable, **full-stack web applications** across **EdTech**, **B2B**, **E-commerce**, and **CMS** domains. Strong proficiency in **React.js**, and **Tailwind CSS**, with solid backend experience in **Node.js**, **Express.js**, and **MongoDB** for developing secure **REST APIs**, authentication, and data management. Skilled in **JWT/Firebase authentication**, **Razorpay integration**, modular **API architecture**, and structured **Axios** communication with interceptor-based error handling. Hands-on experience deploying applications on **AWS EC2** using **Nginx** and **PM2**, delivering high-performance, maintainable, and user-focused solutions.

TECHNICAL SKILLS:

- **Frontend:** JavaScript (ES6+), React.js, Redux, Context API, Tailwind CSS, Material UI, HTML5, CSS3
- **Backend & Database:** Node.js, Express.js, MongoDB (Mongoose), REST APIs, JWT Authentication, Firebase Authentication
- **DevOps & Cloud:** Git, GitHub, AWS EC2, Nginx, PM2, Vercel, Render
- **Testing & Tools:** Postman, Apifox, VS Code, Chrome DevTools, Lighthouse
- **Familiar / Learning:** TypeScript, Next.js, MySQL, GraphQL, Bootstrap, CI/CD Concepts

WORK EXPERIENCE:

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

- **Textile-Oriented Web App (CMS + B2B Inquiry Platform)**

  - Delivered a mobile-first CMS and inquiry platform using **React.js** & **Tailwind CSS**, improving usability and admin productivity.
  - Built blog, product, and category modules with secure **Firebase Authentication** and protected admin access.
  - Developed a modular **Node.js + Express.js** backend using controllers, routes, middleware, and optimized **MongoDB** schema design.
  - Integrated **Google Maps API** and automated enquiry emails using **SendGrid**, enhancing customer communication.

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

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

- o Built a responsive travel booking experience using **React.js**, enhancing overall user engagement.
- o Developed an admin panel with **JWT authentication**, validation middleware, and protected routes.
- o Implemented structured **REST APIs** with centralized error handling for travel package management.
- o Integrated **WhatsApp Click-to-Chat** functionality with prefilled inquiry details for real-time customer interaction.

Tech Stack: React.js, Tailwind CSS, Material UI, Node.js, Express.js, MongoDB, JWT, Axios, WhatsApp Click-to-Chat

- • **B2B eCommerce Platform (Product Catalog + Razorpay Payments)**

  - o Developed key user-facing modules including **Home**, **Product List**, **Product Detail**, **Cart**, **Checkout**, and **Address Forms** using **React.js** & **Tailwind CSS**.
  - o Implemented secure **JWT-based authentication** with protected admin routes for managing product data.
  - o Built and optimized **Express.js APIs** for product CRUD operations in the admin panel.
  - o Integrated **Razorpay** payment gateway with server-side order verification and reliable error responses.
  - o Implemented state management using **Context API** and **Redux** with structured **Axios services** and a global **Axios interceptor** for consistent error handling.
  - o Deployed the full-stack application on **AWS EC2** using **PM2** and **Nginx**, ensuring stable production hosting and optimized performance.

  Tech Stack: React.js, Tailwind CSS, Node.js, Express.js, MongoDB, JWT, Razorpay, Redux, Context API, Axios, AWS EC2, PM2, Nginx

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

- • **EdTech Learning Platform (LMS)**

  - o Developed and enhanced frontend modules such as **Course Management** and **Progress Tracking** using **React.js** & **Tailwind CSS**.
  - o Collaborated on backend modules using **Node.js + Express.js** and **MongoDB** for course and user workflows.
  - o Integrated APIs with **JWT-based access control** to ensure secure module-level interactions.
  - o Supported production deployment and module enhancements on **AWS EC2**.

  Tech Stack: React.js, Tailwind CSS, Node.js, Express.js, MongoDB, JWT, AWS EC2

EDUCATION:

B.E. Computer Science and Engineering | Sasurie Academy of Engineering, Coimbatore |
2016 – 2020 | CGPA: **7.42** | **HSC: 90%** | **SSLC: 96%**