GOPAKUMAR K A

MERN Stack Developer

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Profile Summary

A skilled **MERN Stack** developer focused on crafting innovative **front-end interfaces** and reliable **back-end solutions**. Demonstrates effective task prioritization to ensure timely and high-quality results, with a commitment to continuous learning and growth in web development.

Technical Skills

Languages: JavaScript, TypeScript
Frontend Development: React,Next JS, Redux, HTML, CSS, Bootstrap, Tailwind Css, EJS
Backend Development: Node.js, ExpressJS, REST API, Mongoose, Redis IO ,Bull MQ
Database: MongoDB, MySQL.
Architecture: MVC, Clean Architecture.
Deployment: AWS (EC2, Route 53), NGINX, S3 Bucket, CloudFront, cloudinary, firebase
Familiar: Data Structures and Algorithms, Framer Motion.
Tools: Git, Postman, Figma, VS Code.

Projects

Jersyman (E-Commerce Web Application)   *Live Link* | *GitHub*

A full-featured e-commerce platform built to provide a smooth shopping experience for sports jerseys, including a product catalog, user authentication, secure payment, and a user-friendly admin dashboard.

- Implemented secure user authentication with **Express Session** and account creation using **JWT**.

- Integrated **Razorpay** for payment processing, with **Node-Mailer** for OTP confirmation.

- Admin panel includes user, category, product, and order management with reporting through **Chart.js**.

- Built with **MVC architecture** and **server-side rendering** for improved SEO.

- Deployed on **AWS EC2**, managed with **PM2** and **Nginx**, and secured with SSL via **Certbot**.

Technologies: Node.js, Express.js, EJS, JavaScript, MongoDB, Bootstrap, Nginx, Git

Used Market Zone (Social Media Marketplace)   *Live Link* | *Frontend* | *Backend*

A marketplace integrated with social media features, allowing users to buy, sell, and auction pre-owned items with an interactive, community-driven approach.

- Built with **clean architecture**

- Real-time messaging and auction functionalities with **Socket.io**, **Redis** and **Bull MQ** for bid management.

- Implemented secure, role-based authentication with **JWT** for personalized feeds and user interactions.

- Managed product uploads and image handling using **Cloudinary** for scalable media storage.

- Comprehensive admin panel for order management and user activity tracking using **TypeScript**.

- Deployed on **AWS**, using **Nginx** and load balancing for optimized performance.

Technologies: React, Node.js, Express.js, MongoDB, Socket.io, Tailwind CSS, AWS S3, TypeScript, Redis IO, Bull MQ

Mini Projects

Netflix Clone   GitHub
A Netflix clone application developed using **React.js** with **TMDB API** integration for movie data and trailer previews.
- Users can browse recent movies and view trailers.

User Management App   GitHub
A user management app developed with **React.js** (**Redux**) as the front end and **Express.js** as the back end, with **MongoDB** for data storage.
- Users can create and manage profiles, with the ability for admins to block users.
- Supports profile image uploads and user account management.

To-Do App   GitHub
A simple To-Do app developed in **React.js** for task management.
- Users can add, edit, delete, and mark tasks as completed.

OLX Clone   GitHub
An OLX clone built with **React.js** and **Context API**, featuring user authentication and product management.
- Users can create accounts, list products, and upload images through **Cloudinary**.

ImageDrive   Frontend | Backend
An image management application developed using **React.js** and **Node.js**.
- Features bulk uploads, drag-and-drop editing, and **AWS S3** for scalable storage.

Task Management App   Frontend | Backend
A real-time task management app developed using **React.js**, **Node.js**, and **Socket.io** for collaborative updates.
- Supports categorization, reminders, and real-time task updates for multiple users.

Education

MERN Stack Development   **Brototype Eranakulam** *2023-present*
Kochi, Eranakulam

Three Year Diploma In Computer Engineering   **Technical Education of Kerala**   *2020-2023*
SRGPTC Triprayar, CGPA: 7.2

Higher Secondary-Computer Science   **DHSE Kerala** *2018-2020*
GHSS Karupadanna, 70%

High School-THSLC   **Technical Education of Kerala** *2018*
THS Kodunallur, 97%