

RITHICK P

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MERN Stack Developer | LinkedIn | Github

PROFILE SUMMARY

Passionate MERN Stack Developer, self-taught with an eagerness of learning new technologies quickly. Excelled at translating requirements into clear and maintainable code. Writes clean and easy-to-understand code, ensuring long-lasting projects.

SKILLS :

Backend Development : Node JS, Express JS, Nest JS, Typescript

Frontend Development: React.js, Redux Toolkit, Tailwindcss, Html, Css, Bootstrap, Javascript , Ajax, EJS

Integrations: JWT Authentication, Razorpay, Google Oauth, Socket.io, Stripe(webhooks), Nodemailer, Twilio, Clerk, Cloudinary, Zegocloud,Mux, Kafka, Gemini AI model

Familiar with: Next.JS, React Native, Java , C, Go

Database Management : NO-SQL (MongoDB), SQL(Postgress), Redis, Neon, Drizzle ORM

Tools: Git, Postman, Figma, Canva, Github, Gitlab

Deployment: NGINX, AWS EC2, Azure (AKS), Docker, CICD, Kubernetes and also Familiar with POSIX commands

PROJECTS

LEARNWISE (E-Learning Platform)

[LIVE LINK](#) [FRONTEND SOURCE CODE](#) [BACKEND SOURCE CODE](#)

A E-Learning web application with user-centric features with modules containing admin, instructors and students (users). Implemented **Microservice** and **Clean Architecture** , focusing on a technical implementation that highlights my skills in both front-end and back-end development.

Technical Aspects:

- Implemented a modular design with a **RESTful API** for mobile app compatibility.
- Utilized the **Clean architecture** for structured code and easy maintenance and scalability.
- Built the frontend using **React.js** designed with **Tailwind css** for responsive user interfaces.
- Server side is Designed using **Microservice Architecture** and followed **Clean Code**.
- The whole application is divided into **Six Services** with respectively **User, Course ,Chat, Payment, Notification and Auth**.
- In the backend, Services are build using **EXPRESS JS** and NEST JS and followed three-tier architecture in NEST JS service.
- Integrated Kafka for interservice communication implemented in Notification service.
- Integrated **Cloudinary** for efficient image and video storage and delivery.
- Implemented **Google auth, OTP** login using for a secured and user friendly authentication.
- Enabled **real-time** chat using **Socket.io** for instant communication and added features like **Voice recording, send multiple images and video, sort chat list, unread message and typing animations**
- Enabled Video calling using **Zegocloud**

PHONEBAZAAR (E-Commerce Application)

[LIVE LINK](#) [SOURCE CODE](#)

- E-commerce application which is mainly focused on selling Mobile Phones and is build using **Express JS** as backend with **MongoDB** database and used **EJS** as view- engine for frontend and Integrated **Razorpay** payment gateway to facilitate seamless and secure online transactions, providing a smooth checkout experience for users. Designed and implemented various features, demonstrating problem-solving abilities and creativity in feature development.
- Deployed using AWS EC2, Nginx, Certbot, and PM2, ensuring high performance and scalability.

MINI PROJECTS

- **Netflix Clone** [React, TailwindCSS, Javascript]
 - **OLX Clone** [React, TailwindCSS, Firebase]
 - **Mini E-commerce** [MERN, Microservice]
 - **User Management** [MERN]
 - **AI-Mock-Interview App** [Next JS (serverless)]
 - **Business-Directory** [React Native, Firebase]
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EDUCATION :

MERN Stack Developer (2023 - Present) - Brototype, Calicut

Bachelor of Arts (Honours) in Economics (2022-Present) - Indira Gandhi National Open University

Diploma In Electronics (2018-2021) - EKNMGPTC Thrikaripur, Kasargod

Higher Secondary (2016-2018) - AVSGHSS Karivellur, Kannur

High School (2016) - AVSGHSS Karivellur, Kannur