

# GOKUL KRISHNA G H

MERN Stack Developer

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## PROFILE

Dynamic Full-Stack Developer with expertise in MERN stack, NestJS, and Angular, delivering scalable, high-performance web applications. Proficient in building RESTful APIs, microservices, and real-time systems using modern technologies like Docker, RabbitMQ, and Redis. Passionate about crafting clean, maintainable code to solve complex problems and enhance user experiences.

## PROFESSIONAL EXPERIENCE

### Full-Stack Developer (Freelance/Self-Driven)

2022 – Present / Remote

- Led end-to-end development of web applications, from UI/UX design to backend architecture and cloud deployment.
- Engineered reusable front-end components with React, Next.js, and Angular, and developed robust APIs using Node.js, Express, and NestJS.
- Implemented microservices architecture with RabbitMQ for message queuing and Redis for caching to optimize performance.
- Utilized Docker for containerized deployments and streamlined CI/CD pipelines with Git and AWS.
- Delivered projects on time using Agile methodologies, ensuring scalability and maintainability.

## KEY PROJECTS

### Relink - Social Media Platform

Next.js-based platform with real-time features

2024

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

- Developed secure user authentication with JWT and Google OAuth using NextAuth.
- Built real-time chat functionality with Socket.IO and integrated Firebase for image uploads.
- Deployed on AWS EC2 with NGINX and PM2, using Docker for containerized environments.
- Tech Stack: Next.js, Node.js, Express, NestJS, MongoDB, Redux, Socket.IO, TailwindCSS, Firebase, AWS, Docker.

### Trendly - E-Commerce Platform

Secure e-commerce solution with admin dashboard

2023

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

- Integrated Twilio for OTP verification and RazorPay for seamless payment processing.
- Designed an admin panel for managing users, orders, and inventory with Angular and Bootstrap.
- Tech Stack: Angular, Node.js, Express, MongoDB, RazorPay, Twilio, AWS, Docker.

### FitPro - Fitness App Backend

Scalable backend for fitness tracking

2024

[GitHub](#)

- Architected RESTful APIs with NestJS and TypeScript, secured with JWT authentication.
- Leveraged AWS S3 for media storage and Redis for caching to enhance performance.
- Tech Stack: NestJS, Node.js, MongoDB, TypeScript, JWT, AWS S3, Redis, Node-mailer.

## MINI PROJECTS

### Netflix React Clone

Responsive UI with TMDB API integration

2023

[GitHub](#)

### OLX React Clone

Marketplace clone with Firebase Firestore

2023

[GitHub](#)

### To-Do App (MERN)

Task manager with full MERN stack

2022

[GitHub](#)

## TECHNICAL SKILLS

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- Front-end: JavaScript, TypeScript, React.js, Next.js, Angular, Redux, HTML5, CSS3, TailwindCSS, Bootstrap
- Back-end: Node.js, Express.js, NestJS, TypeScript, RESTful APIs, Microservices, JWT, Mongoose, RabbitMQ, Redis
- Databases: MongoDB, PostgreSQL, Firebase Firestore, Redis
- DevOps Tools: AWS (EC2, S3, Route 53), Docker, NGINX, PM2, Git, Postman, Swagger, Linux, Figma
- Others: Data Structures Algorithms, Agile, Cloudinary, Multer, Twilio, Node-mailer, Firebase Auth, Socket.IO

## EDUCATION

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### **MERN Stack Development Program**

*Brototype, Ernakulam*

2022 – 2024

- Course Completion Certificate

### **Bachelor of Commerce (B.Com)**

*St. Thomas College, Kozhencerry, Pathanamthitta*

2019 – 2022

- Completed coursework with a focus on analytical and problem-solving skills, earning a course completion certificate.