

# Sanjai Uthup Thomas

Full Stack Developer

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LinkedIn — GitHub — Portfolio

## Career Summary

Full Stack Developer with 3+ years of hands-on experience delivering high-performance web and mobile applications. Specializes in building scalable backend systems, REST/gRPC APIs, and microservices using **Node.js**, **Express.js**, and **NestJS**, with a strong foundation in **TypeScript** and modern backend architecture.

Proficient in developing intuitive user interfaces using **React.js** and **React Native**, with a focus on performance, form validation (React Hook Form), and state management (Redux). Experienced in containerizing services with **Docker**, setting up **CI/CD pipelines**, and deploying production-ready applications. Passionate about clean code, system design, and taking complete ownership of full-stack projects from concept to launch.

## Technical Skills

- **Languages:** JavaScript, TypeScript
- **Frontend:** React.js, React Native, HTML, CSS, Tailwind, Bootstrap
- **Backend:** Node.js, Express.js, NestJS, REST APIs, JWT, OAuth2, gRPC
- **Databases:** MongoDB, PostgreSQL, MySQL, Mongoose, TypeORM, Sequelize
- **Auth Integrations:** Google, Facebook, Apple Sign-in
- **Payments:** Stripe, Razorpay, PayPal
- **Architecture:** Microservices, MVC
- **DevOps:** Docker, GitHub Actions, Nginx, Git, Postman
- **Deployment:** AWS, Firebase, Netlify, Render

## Experience

**Software Engineer** — NewAgeSMB, Kochi

*2023–2025*

- Led development of cross-platform mobile apps using **React Native**, focusing on performance and smooth user experience.
- Contributed to web applications using **React.js** and **Next.js**, with responsive UI built using **Tailwind CSS** and **Bootstrap**.
- Developed scalable backend services and APIs using **Node.js**, **Express.js**, and **NestJS**.
- Integrated third-party APIs, social login (Google, Facebook), and secure **payment gateways**.
- Collaborated with designers, testers, and backend teams to deliver production-ready features across platforms.

**Freelance Web Developer** — Kochi (Self-employed)

*2019–Present*

- Delivered mobile-friendly websites using HTML, CSS, JavaScript, and React.
- Handled UI/UX design, backend APIs, and basic deployment for local businesses.

## Projects

**DevX API Suite (ongoing)** — *NestJS, TypeScript, PostgreSQL, gRPC, Docker, CI/CD, GitHub Actions, Swagger*

GitHub

Architecting a scalable, production-ready backend system using modern microservice principles. Highlights:

- Built modular microservices for **Auth**, **User**, and **Notification** systems with inter-service communication via **gRPC**.
- Leveraged **NestJS** for its modular structure, dependency injection, and maintainability.
- Used **PostgreSQL** with **TypeORM** for relational data modeling and efficient queries.
- Containerized each service using **Docker** with isolated dev environments and service orchestration.
- Set up **CI/CD pipelines** with **GitHub Actions** for automated builds, testing, and deployments.
- Integrated **Swagger** for real-time API documentation and easier developer collaboration.
- Designed with scalability, observability, and long-term maintainability in mind.

## Social Media App – *React, Redux, Node.js, Socket.io, MongoDB, JWT, React Hook Form*

GitHub

Built a feature-rich social media platform with real-time interactivity and a modern frontend. Highlights:

- Developed a responsive frontend using **React** and global state management with **Redux**.
- Used **React Hook Form** for efficient and scalable form validation across login, signup, and post modules.
- Enabled **real-time chat and notifications** using Socket.io and MongoDB change streams.
- Implemented **role-based authentication** using JWT and protected API routes.
- Designed a **custom feed algorithm** for trending posts and user suggestions based on hashtags and interests.
- Features include: user profiles, posts with likes/comments, follow system, and search by tags.
- Optimized backend APIs for scalability and deployed cloud-ready architecture.

## Watchmen – E-commerce App – *Node.js, Express, MongoDB, Twilio, Razorpay, PayPal*

GitHub

Developed a full-featured e-commerce platform with an admin dashboard and customer-facing website. Key features include:

- **OTP verification system** using Twilio SMS API for secure user authentication.
- Custom **Admin panel** to manage products, categories, coupons, users, and orders.
- **Multiple payment gateways** integrated: Razorpay, and PayPal.
- Dynamic coupon engine with expiry dates, usage limits, and discount strategies.
- **Referral system** enabling user-to-user invite rewards and tracking.
- Complete **Order lifecycle management** with cancellation, return, and status updates.
- Automated email notifications for order updates, success, and failure cases.
- Clean RESTful API structure.

## Education

**MERN Bootcamp** – Brototype (2022)

**B.Sc. Mathematics** – MG Univ. (2016–2019)

## Strengths

- Strong **backend development** foundation
- Clean, scalable code with focus on maintainability
- Full project lifecycle ownership
- Fast learner, proactive problem solver

## Declaration

I hereby declare that the above information is true to the best of my knowledge.

Kochi, Kerala

**Sanjai Uthup Thomas**