

Nithin Prathapan

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Skills

Languages: JavaScript, TypeScript, Python, C++, Java, Golang, SQL

Frontend Development: React.js, Next.js, Redux Toolkit, TailwindCSS, Responsive UI, Component-Driven Architecture, Jest, API Integration, React Testing Library, Angular

Backend Development : Node.js, Express.js, REST APIs, GraphQL, JWT Auth, Middleware, MongoDB, Mongoose, Redis, Performance Optimization , Bcrypt, JWT, Postman

Devops & Production : Docker, Docker Compose, Linux Administration, Nginx (Reverse Proxy & Load Balancing), PM2, CI/CD (GitHub Actions), Environment Management, Build & Release Pipelines.

Soft Skills : Agile, Cross-Functional Collaboration, Requirement Analysis, Problem Solving & Debugging, Communication & Stakeholder Alignment, Feature Ownership & Delivery.

Work Experience

Novavi Pvt. Ltd, Kochi Oct 2024 - Present *MERN Stack Developer*

- Delivered full-stack solutions using Node.js, Express.js, React, and Next.js, driving multiple customer-facing and internal platforms toward cloud-ready, scalable architectures.
- Designed and implemented REST APIs, data models, and integration workflows, enabling seamless connectivity with third-party services, internal modules, and LMS components.
- Developed modular, reusable UI components and micro-frontends aligned with enterprise-grade coding standards, accelerating feature development across cross-functional squads.
- Built and maintained LMS modules for Synnefo, including role-based dashboards, reporting layers, analytics pipelines, and secure content distribution workflows.
- Led CI/CD-driven deployments using GitHub Actions, Docker, PM2, and Nginx, ensuring predictable releases, streamlined environment management, and consistent uptime across cloud targets.
- Produced system architecture diagrams, data-flow models, and technical documentation to support planning, onboarding, and stakeholder communication.
- Implemented authentication and authorization flows using JWT, bcrypt, session middleware, and permission-based routing to strengthen platform-level security.
- Collaborated within Agile squads, executing sprint ceremonies, backlog grooming, and cross-team requirement analysis to maintain alignment on deliverables and release timelines.
- Supported deployments for Synnefo-managed client sites, overseeing release pipelines, production troubleshooting, and extension development for custom feature requests.

Softroniics May 2024 - Oct 2024 *MERN Stack Developer Intern*

- Contributed to end-to-end development of MERN-based applications, supporting feature implementation across both frontend and backend streams.
- Assisted in building REST APIs, schema models, and CRUD workflows using Node.js, Express.js, and MongoDB, ensuring clean, modular, and maintainable code.
- Developed responsive UI components using React, Tailwind CSS, and reusable design patterns, improving user experience across internal project dashboards.
- Participated in API integration tasks, connecting frontend modules to backend services and validating data flows through Postman, debugging tools, and logging utilities.

Project Portfolio

flyteasy.com — B2C Flight & Hotel Booking Platform (2025)

Tech Stack: React, Vite, TailwindCSS, React Router, Razorpay, Axios, Node.js, Express.js, MongoDB, JWT, Docker, PM2, Nginx, Linux, REST API Integrations

- Spearheaded end-to-end development of a B2C travel booking platform enabling real-time flight search, multi-city itineraries, and fare validation.
- Delivered a high-performance booking engine supporting real-time flight search, fare validation, and multi-city itineraries.
- Architected backend services with Express.js, JWT auth, and booking/payment workflows.
- Integrated third-party travel APIs in partnership with Benzy Infotech & Akbar Travels teams.

- Implemented Razorpay payments, settlements, and webhook pipelines.
- Orchestrated Dockerized deployments with Nginx reverse proxying and PM2 process governance.

academia.codetrox.com — Multi-Tenant LMS SaaS Platform (2025)

Tech Stack: React, Redux Toolkit, Chakra UI / MUI, React Router, Axios, Node.js, Express.js, MongoDB, Mongoose, JWT, Helmet, Rate Limiting, Multer, Prisma (scripts), Razorpay, Zoom API, Docker, PM2, Nginx

- Built a multi-tenant LMS supporting institutes, batches, instructors, payments, and live sessions.
- Developed component-driven React interfaces and stable state management with Redux Toolkit.
- Engineered secure backend services with **RBAC, JWT, CSRF** protection, and tenant-isolated data design.
- Integrated Zoom API for live/recorded classes and automated meeting provisioning.
- Implemented Redis caching, rate limiting, and API hardening via Helmet and secure middleware.
- Established production-ready deployments using **Docker, PM2, and Nginx**.

synnefo.in — Corporate Website Platform (2025)

Tech Stack: Next.js 15, TypeScript, Express.js, Docker, Nginx, Mongoose, SEO Optimization, Turbopack

- Engineered a fully containerized, production-grade corporate website for Synnefo using **Next.js 15, Express.js**, and a modular TypeScript backend, enabling high-performance content delivery across cloud environments.
- Implemented **SEO-driven architecture** with metadata automation, structured schema tags, Open Graph fields, and optimized rendering paths to improve search visibility and crawl efficiency.
- Optimized frontend performance using **Turbopack**, code-splitting, caching headers, and lightweight UI integrations to reduce TTFB and enhance user experience.
- Admin can add course contents, blogs and placement images. Tracking the inquiries from the students through admin panle

lab.synnefo.in — Synnefo Smartspace(2025)

Tech Stack: Next.js 15, TypeScript, Express.js, Docker, Nginx, Mongoose, SEO Optimization, Turbopack

- Built the front-end architecture for **SmartSpace**, an interactive LMS add-on enabling code-based challenges, real-time terminal simulations, and hands-on learning workflows for enterprise training programs.
- Developed a highly modular UI layer using **React 19, Radix UI, TailwindCSS**, and **component-driven design**, ensuring scalable and reusable patterns across challenge modules, code editors, and dashboards.
- Implemented an in-browser **terminal playground** using **Xterm.js** with WebSocket-driven communication, enabling real-time command execution, sandbox interactions, and guided learning scenarios.
- Designed secure client-side flows using **JWT-based session governance**, protected routes, and Zod-powered validation pipelines to ensure consistent user access and reliable data integrity.
- Integrated challenge workflows—problem statements, test validation, submissions, and progress tracking—through seamless API orchestration with an Express.js backend.

Education

MBA, Mangalam College of Management Studies, Ettumanoor 2021

BCA, Mar Augusthinose College, Ramapuram 2019