

NITHIN PRATHAPAN

MERN STACK DEVELOPER

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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 & Scrum Methodologies, Cross-Functional Collaboration, Requirement Analysis, Problem Solving & Debugging, Communication & Stakeholder Alignment, Feature Ownership & Delivery.

Work Experience

Velense Technologies, 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 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.

lms.gochessonline.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.

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**