PANKAJ RAJ

FULL STACK SOFTWARE ENGINEER

React.js · Next.js · Node.js (NestJS) · .NET (C#) · TypeScript · PostgreSQL
+91 8219441354 | pankajthakurbandla@gmail.com | Kharar, Punjab | LinkedIn | Portfolio | GitHub | npm

SUMMARY

Full Stack Software Engineer with 3+ years of experience building and shipping end-to-end web products, from React.js/Next.js frontends to scalable multi-tenant NestJS and .NET backends. Experienced in designing REST APIs, database schemas (PostgreSQL, MongoDB), role-based dashboards and admin panels, and third-party integrations (Stripe, Razorpay, QuickBooks, Daily.co, Capsule CRM). Also building applied AI features (RAG pipelines, MCP servers, CrewAI agents) into production applications. **Author of published npm packages** (@pankaj1791/nest-auth, @pankaj1791/nest-core, alpha-num-generator) for reusable NestJS authentication and shared tooling. Comfortable owning a feature from UI to database to deployment in Agile teams.

TECHNICAL SKILLS

Frontend: React.js, Next.js, TypeScript, JavaScript (ES6+), Material-UI, HTML5, CSS3
Backend: Node.js (NestJS, Express.js), .NET (C#), Python, Microservices, CQRS, GraphQL, REST APIs
AI & LLM Engineering: RAG, LLM Integration, MCP (Model Context Protocol), CrewAI, Pinecone, OpenAI API
Database & ORM: PostgreSQL, MongoDB, SQL, Prisma ORM, TypeORM, Entity Framework
DevOps & Tools: Docker, Kubernetes, Git, CI/CD (GitHub Actions), Nx Workspace, **npm Package Publishing**, Redis, RabbitMQ, Cloudflare, Swagger/OpenAPI
Integrations: Stripe, Razorpay, QuickBooks, Daily.co, Capsule CRM, Google OAuth
AI Dev Tools: Cursor AI, GitHub Copilot, Claude AI, Antigravity
Practices: Agile, Test-Driven Development, RBAC & Secure API Design, Code Review

WORK EXPERIENCE

Luminoguru Pvt Ltd **Dec 2025 – Present**
Full Stack Developer

MyReIma — AI-Powered Career Management & Resume Platform
- Built the React.js/Next.js interface and NestJS REST APIs for a career-management platform that centralizes job search activity, notes, and project tracking for job seekers.
- Engineered an AI resume builder and cover-letter generator using CrewAI multi-agent workflows and the OpenAI API, with a dedicated API layer for prompt-based document generation and AI chat.
- Built RAG retrieval workflows with Pinecone and MCP tool servers connecting external and local language models to internal tools.
- Integrated LinkedIn account sync, Gmail linking, and Google favicon lookups; added structured activity logging with Pino for career-coach and HR-admin roles.

Tech Stack: Next.js, React.js, Node.js, NestJS, Express.js, Python, CrewAI, RAG, Pinecone, MCP, OpenAI API, Pino

Autimly — Healthcare Support Platform for Autism & ADHD Care
- Developed the Next.js admin panel and NestJS backend for a platform helping adults, parents, and caregivers navigate life with autism or ADHD.
- Built an admin-managed onboarding questionnaire flow that personalizes each family's care journey.
- Built a calendar-based roadmap for patients to track progress and book sessions with matched specialists, plus a specialist login and session-management portal.
- Integrated Daily.co for live video sessions and Stripe for end-to-end payments.

Tech Stack: Next.js, React.js, NestJS, Daily.co, MUX, Cloudflare, Stripe

Encapsulate — Capsule CRM Integration & MCP Tooling
- Integrated Capsule CRM APIs to sync tasks, entries, activities, and projects, keeping CRM and internal records consistent, and built the React.js UI to view and manage them.
- Built an MCP server exposing organization listing and activity-log management as callable tools through prompt-based tooling.

Tech Stack: React.js, Node.js, MCP, Capsule CRM API

Wiznox Technologies **2023 – Nov 2025**
Full Stack Developer

MarginPilot — Multi-tenant Accounting & Margin Analysis Platform
- Built a multi-tenant backend for product margin analysis integrated with QuickBooks (Intuit), supporting accounting workflows across multiple client tenants.
- Developed React.js dashboards for margin reports and tenant data, consuming secure REST APIs.
- Implemented custom RBAC, Google OAuth, and Swagger documentation; used Redis queues for background processing.

Tech Stack: React.js, C#, Entity Framework, Fluent Validations, Redis, Swagger, Google OAuth, QuickBooks API

FlexNox — Multi-Tenant Gym & Studio Management Platform
- Built a multi-tenant backend to manage studios, employees, trainers, and user sessions across client organizations, with custom RBAC so each tenant defines its own roles and permissions.
- Developed React.js interfaces for studio, trainer, and session management with role-based UI access.
- Integrated Google OAuth and Swagger; used Redis queues for background tasks.

Tech Stack: React.js, C#, Entity Framework, Fluent Validations, Redis, Swagger, Google OAuth

Collabzilla (COKARMA) — Multi-Tenant Cloud Coworking Platform

- Built a multi-tenant NestJS and Prisma backend supporting multiple coworking organizations on a shared platform, using a microservices architecture for reliable inter-service communication.
- Developed React.js/Next.js frontends for the coworking CRM and CMS; implemented secure authentication and authorization, deployed a live staging environment, and integrated Razorpay payments.

Tech Stack: Next.js, React.js, NestJS, Prisma ORM, TypeScript, Microservices, Razorpay

Live: cokarma.in (CMS) | app.collabzilla.com (CRM)

Tracknox — Multi-Tenant Site & Zone Management Platform

- Built a multi-tenant backend to manage sites, zones, employees, and customers across services, with custom RBAC, Google OAuth, and Swagger-documented APIs.
- Built React.js dashboards for site and zone management; used Redis queues and RabbitMQ for background processing under load.

Tech Stack: React.js, NestJS, TypeORM, Class Validator, RabbitMQ, Stripe, Redis, Swagger, Google OAuth

Empire Marketing — Multi-tenant Leads Management System

- Developed a scalable NestJS backend supporting separate databases per tenant, with dynamic tenant-based database handling and schema optimization for data consistency.
- Designed data models with TypeORM and Prisma for performance and maintainability; built React.js lead-management screens.

Tech Stack: React.js, NestJS, Prisma, TypeORM, PostgreSQL

OPEN SOURCE — PUBLISHED NPM PACKAGES

- **@pankaj1791/nest-auth** | npmjs.com/package/@pankaj1791/nest-auth — Reusable TypeORM-based authentication module for NestJS, built on top of nest-core for modular, drop-in integration.
- **@pankaj1791/nest-core** | npmjs.com/package/@pankaj1791/nest-core — Shared NestJS foundation library built in an Nx workspace to standardize core utilities across packages and services.
- **alpha-num-generator** | npmjs.com/package/alpha-num-generator — Lightweight utility that generates the next sequential alphanumeric ID from a previous value, with no database lookup.

Tech Stack: TypeScript, NestJS, TypeORM, Nx Workspace, npm

PERSONAL PROJECT

NSMTPT — Transport Management System **Jan 2023 – Jan 2026**

- Led full-stack development with Express.js and React.js, building a complete transport management solution with a responsive Material-UI interface and RESTful APIs.
- Independently owned infrastructure: provisioned and maintained a VPS, configured DNS and domain routing, and handled deployments.

Tech Stack: React.js, Express.js, REST APIs, Material-UI, VPS Hosting, DNS Management

EDUCATION & LANGUAGES

MCA — Lovely Professional University (LPU) | CGPA: 7.25
BSc IT — Himachal Pradesh University (HPU) | CGPA: 7.7
12th — GSSS Bandla, HPU | 72%
Languages: English (Fluent), Hindi, Punjabi