

PANKAJ RAJ

ASSOCIATE SOFTWARE ENGINEER

+91 8219441354 | pankajthakurbandla@gmail.com | Kharar, Punjab | [LinkedIn](#) | [GitHub](#)

SUMMARY

Results-driven Backend Developer / Associate Software Engineer with 3+ years of experience designing scalable multi-tenant architectures, microservices, and secure REST APIs. Proficient in Node.js (NestJS, Express.js) and .NET (C#), with hands-on expertise in database design (PostgreSQL, MongoDB), ORM tooling (Prisma, TypeORM, Entity Framework), and third-party integrations including QuickBooks, Stripe, Razorpay, and Capsule CRM. Currently expanding into applied AI engineering — building RAG pipelines, MCP tool servers, and LLM-driven automation using Python, CrewAI, and vector databases. Strong record of delivering well-documented, production-ready systems in Agile environments.

TECHNICAL SKILLS

Backend: .NET (C#), Node.js (NestJS, Express.js), TypeScript, Python, Microservices, CQRS, GraphQL, REST APIs
AI & LLM Engineering: RAG, LLM Integration, MCP (Model Context Protocol), CrewAI, Vector Databases (Pinecone), OpenAI API
AI Development Tools: Cursor AI, GitHub Copilot, Claude AI, Antigravity
Database & ORM: Prisma ORM, TypeORM, Entity Framework, PostgreSQL, MongoDB, SQL
DevOps & Tools: Nx Workspace, Git, CI/CD, Swagger/OpenAPI, Stripe & Razorpay Integrations, Cloudflare
Practices: Agile Methodology, Test-Driven Development, RBAC & Secure API Design, Code Review

WORK EXPERIENCE

MyReIma — AI-Powered Career Management & Resume Platform Dec 2025 – Present
Luminoguru Pvt Ltd

- Design and maintain scalable backend applications and REST APIs using Node.js, NestJS, and Express.js, focusing on clean architecture, performance, and long-term reliability.
- Built a full career-management platform that centralizes job search activities, notes, and project tracking in one place for job seekers.
- Engineered an AI-powered resume builder and cover-letter generator using CrewAI multi-agent workflows and the OpenAI API, backed by a dedicated API layer for prompt-based document generation and AI chat.
- Built RAG-based retrieval workflows, vector database storage (Pinecone), and MCP (Model Context Protocol) tool servers connecting external and local language models to internal tools.
- Integrated third-party services including LinkedIn account sync, Gmail linking, and Google brand favicon lookups; added structured activity/event logging for career-coach and HR-admin roles using Pino.

Tech Stack: Node.js, NestJS, Express.js, Python, CrewAI, RAG, Pinecone, MCP, OpenAI API, LinkedIn API, Pino, REST APIs

Autimly — Healthcare Support Platform for Autism & ADHD Care May 2026 – Present
Luminoguru Pvt Ltd

- Designing and developing a support platform (admin panel) that helps adults, parents, and caregivers navigate life with autism or ADHD.
- Built a full onboarding questionnaire flow managed by admin users to personalize each family's care journey from day one.
- Built a calendar-based roadmap that lets patients track their journey and book sessions directly with matched specialists.
- Added a specialist login and session-management portal, and integrated Daily.co for live video sessions and Stripe for handling payments end-to-end.

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

Encapsulate — Capsule CRM Integration & MCP Tooling Mar 2026 – Jul 2026
Luminoguru Pvt Ltd

- Integrated Capsule CRM APIs to sync tasks, entries, activities, and projects across the platform, keeping CRM and internal records consistent.
- Built an MCP server exposing organization listing and activity-log management as callable tools through prompt-based tooling.

Tech Stack: MCP, Node.js, React.js, Third-Party API Integration

NSMTPT — Transport Management System

Jan 2023 – Jan 2026

Self-Initiated Project

- Led full-stack development using Express.js and React.js, building a complete transport management solution with a focus on responsive UI and usability.
- Developed RESTful APIs for smooth frontend–backend communication and efficient data flow, and integrated Material-UI components for a modern interface.
- Owned the entire infrastructure independently: provisioned and configured a VPS for hosting, set up the server environment, and handled ongoing server maintenance.
- Managed DNS configuration and domain routing, along with deployments and other server-side operations needed to keep the platform live and reliable.

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

MarginPilot — Multi-tenant Accounting & Margin Analysis Platform

2024 – Present

Wiznox Technologies

- Built a multi-tenant backend for product margin analysis integrated with QuickBooks (INTUIT), supporting accounting workflows across multiple client tenants.
- Implemented custom RBAC, Google OAuth, and Swagger for secure and well-documented APIs, and used Redis queues for background processing to keep the system scalable.
- Played a key role in designing secure, scalable backend systems that support margin analysis and accounting for multiple tenants simultaneously.

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

Empire Marketing — Multi-tenant Leads Management System

2023 – 2025

Wiznox Technologies

- Developed a scalable backend in NestJS supporting multiple databases for different tenants, enabling efficient multi-tenant lead management.
- Implemented dynamic tenant-based database handling with schema optimization to maintain data consistency across tenants.
- Designed robust data models using TypeORM and Prisma to improve performance and long-term maintainability.

Tech Stack: NestJS, Prisma, TypeORM, PostgreSQL

FlexNox — Multi-Tenant Gym & Studio Management Platform

2024 – Present

Wiznox Technologies

- Built a multi-tenant backend system to manage gym studios, employees, trainers, and user sessions across multiple client organizations.
- Implemented custom role-based access control (RBAC), allowing each tenant to define its own unique roles and permissions.
- Integrated Google OAuth for secure authentication and Swagger for detailed API documentation, and used Redis queues to handle background tasks efficiently.

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

Collabzilla (COKARMA) — Multi-Tenant Cloud Coworking Software Platform

2023 – Present

Wiznox Technologies

- Built a multi-tenant backend infrastructure using NestJS and Prisma ORM to support multiple coworking organizations on a shared platform.
- Designed a microservices architecture to handle complex business operations and reliable inter-service communication.
- Implemented secure authentication and authorization, deployed a live staging environment, and integrated Razorpay for payment processing.

Tech Stack: NestJS, Prisma ORM, TypeScript, Microservices, Razorpay

CMS: <https://www.cokarma.in/>

CRM: <https://app.collabzilla.com/>

Tracknox — Multi-Tenant Gym & Studio Management Platform

2023 – 2024

Wiznox Technologies

- Built a multi-tenant backend to manage sites and zones along with their employees and customers across various services.
- Implemented custom RBAC so each tenant could define unique roles and permissions, and integrated Google OAuth and Swagger for secure, documented APIs.
- Used Redis queues to handle background tasks efficiently and ensure scalable performance under load.

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

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