

KARTHIK RAJESH SHET

Software Engineer | Backend Engineer | Full Stack Developer | GTM Engineer | AI Application Developer
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PROFESSIONAL SUMMARY

Results-driven Software Engineer, GTM Engineer, and Founder with proven experience architecting scalable SaaS platforms, EdTech systems, enterprise web applications, and go-to-market technical infrastructure. Expert in Backend Engineering, Full Stack Development, GTM Engineering, REST API Design, Microservices Architecture, System Design, Database Optimization, and Cloud Deployment. Track record of leading and mentoring 30+ engineers, delivering 15+ production applications, integrating AI capabilities via the OpenAI API, and building GTM tooling including SEO infrastructure, analytics pipelines, llms.txt for AI crawler discoverability, and marketing automation workflows.

TECHNICAL SKILLS

Languages: JavaScript (ES6+), TypeScript, Python, Java, SQL, PHP
Backend: Node.js, Express.js, REST APIs, GraphQL, Microservices, Webhooks, Rate Limiting
Frontend: React.js, Next.js (App & Pages Router), Tailwind CSS
Databases: MongoDB, PostgreSQL, MySQL, Redis, Query Optimization, Schema Design
Cloud & DevOps: AWS, Docker, CI/CD, GitHub Actions, Nginx, Render, Vercel
AI & Integrations: OpenAI API, Prompt Engineering, Kafka, PhonePe Payment Gateway
GTM Engineering: Technical SEO, JSON-LD, Sitemaps, llms.txt, Lighthouse Optimization
Architecture: System Design, Distributed Systems, SOLID, Design Patterns, Event-Driven Architecture

PROFESSIONAL EXPERIENCE

Founder & Software Engineer — CodeMyFYP IT & Software Solutions (2025 – Present)

- Founded and scaled a software development company delivering 15+ production-grade SaaS products, LMS platforms, and automation systems.
- Engineered scalable REST APIs and backend services using Node.js, Express.js, TypeScript, MongoDB, PostgreSQL, and Redis.
- Architected secure authentication (JWT, RBAC, OAuth 2.0, bcrypt); deployed CI/CD pipelines with GitHub Actions and Docker.
- Led and mentored 30+ interns and junior developers across 10+ live Agile projects.
- Engineered GTM infrastructure: technical SEO, JSON-LD structured data, sitemap generation, llms.txt, Lighthouse optimization.

Founder & Lead Platform Engineer — CodeMyFYP Academy (2026 – Present)

- Launched a multi-tenant EdTech SaaS platform serving students, educators, recruiters, and administrators; listed on the AICTE National Internship Portal.
- Built LMS modules for courses, assessments, certifications, and internship tracking using Next.js, Node.js, PostgreSQL, and MongoDB.
- Implemented granular RBAC for five distinct user roles with strict data isolation.
- Integrated PhonePe payment gateway with idempotent transaction handling and webhook-based confirmation.

SELECTED PROJECTS

Career Agents (Open Source) — Multi-agent system automating resume tailoring, interview prep, LinkedIn optimization, and job tracking. github.com/karthikrshet/Career-Agents

CodeMyFYP Academy — Multi-tenant EdTech SaaS platform with RBAC, PhonePe billing, and Redis/PostgreSQL performance optimization.

Payment Gateway Simulation System — Distributed payment infrastructure with idempotent APIs, webhook delivery engine, and ACID-consistent PostgreSQL locking.

NEXORA — AI-powered multi-role SaaS platform with OpenAI content generation and 80%+ Jest test coverage.

EDUCATION

Master of Computer Applications (MCA) — Surana College, Bangalore University (2023–2025)

Bachelor of Computer Applications (BCA) — Global College of Management, Karnataka University (2020–2023)

ACHIEVEMENTS & LEADERSHIP

- Founded & scaled CodeMyFYP, independently delivering 15+ production-grade applications.
- Mentored 30+ engineers across 10+ live projects.
- CodeMyFYP Academy officially listed on the AICTE National Internship Portal.
- 6-Time Winner & 3-Time Runner-Up in Sadhana Coding Contests.