

Jaykumar Kanjia

Sr. Software Engineer

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Summary	Software Engineer with 3+ years of experience building scalable backend systems, AI-powered applications, and enterprise commerce platforms. Experienced in designing distributed backend services using Node.js, TypeScript, Python, PostgreSQL, Redis, Docker, and AWS. Strong background in API design, system architecture, commerce customization, AI agent orchestration, and performance optimization, with experience leading technical delivery across multiple production systems.
Skills	Programming Languages TypeScript, JavaScript (ES6+), Python, SQL, Java Backend Node.js, Express.js, NestJS, FastAPI, REST API Design, JWT Authentication, OAuth 2.0, WebSockets Frontend React.js, Next.js, Redux, TanStack Query, Tailwind CSS, Shadcn UI, HTML5 / CSS3 Databases PostgreSQL, Redis, MongoDB, MySQL Commerce & CMS Medusa.js, Payload CMS, Strapi CMS, Builder.io AI & LLM OpenAI API, Anthropic Claude API, AI Agents, Function Calling, Prompt Engineering, Streaming APIs, RAG Cloud & DevOps Docker, AWS (EC2 / S3 / RDS / ElasticCache), CI/CD, GitHub Actions, Linux, Nginx Developer Tools Postman, Swagger/OpenAPI, VS Code, Google Analytics, Figma, Git / GitHub Software Engineering System Design, Microservices, Monolithic Architecture, REST API Design, Database Design, Caching, Asynchronous Processing, Performance Optimization, SOLID Principles, Design Patterns, Agile/Scrum

Experience	<u>The Special Character</u> Ahmedabad Sr. Software Engineer May 2023 - Present - Architect, develop, and maintain scalable backend systems, RESTful APIs, and full-stack applications using Node.js, TypeScript, Python, React.js, Next.js, PostgreSQL, Redis, and Docker across enterprise commerce, marketplace, SaaS, and AI-driven platforms. - Lead the technical delivery of multiple concurrent products by driving architecture decisions, sprint planning, technical estimation, code reviews, mentoring engineers, and collaborating with cross-functional teams to deliver high-quality production software. - Design modular, secure, and maintainable software architectures following Clean Architecture, SOLID principles, JWT/OAuth authentication, RBAC, and reusable service-oriented design for long-term scalability. - Build and customize enterprise commerce platforms by implementing pricing engines, inventory management, workflow orchestration, marketplace capabilities, catalog management, and third-party integrations. - Engineer AI-powered platforms using Python, FastAPI, AI Agents, LLMs, asynchronous processing, and real-time communication, enabling intelligent workflow automation, conversational AI, and scalable backend services.
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- Improve application performance and scalability through **PostgreSQL optimization, Redis caching, indexing strategies, asynchronous processing, and efficient API design**, delivering reliable production systems and measurable performance gains.
- Containerize, deploy, and operate production applications using **Docker, AWS, Linux, and CI/CD pipelines**, while contributing to infrastructure planning, monitoring, production debugging, and end-to-end software delivery.

Projects

Haira – AI Hiring Platform (Internal Product)

Role: Technical Lead (Backend, AI & Full-Stack)

Technologies: Python • FastAPI • PostgreSQL • React • Next.js • Docker • AI Agents • LLMs

- Architected the end-to-end platform, defining scalable backend services, frontend architecture, AI integration, authentication, workflow orchestration, and deployment strategy.
- Led backend and frontend engineering teams through technical planning, architecture decisions, sprint execution, code reviews, production releases, and developer mentoring.
- Built modular FastAPI services supporting asynchronous processing, secure REST APIs, workflow automation, reusable components, and scalable backend infrastructure.
- Engineered AI agent workflows for resume parsing, job analysis, interview orchestration, conversational AI, structured outputs, and intelligent business automation using LLMs.
- Improved scalability and reliability through optimized database design, caching, asynchronous processing, real-time communication, and engineering best practices.

CloudQuarks Marketplace (Redington Group)

Sept 2025 - Mar 2026

Role: Backend Engineer (at **Hexalytics**)

Technologies: Node.js • Medusa.js • PostgreSQL • Redis • Docker • AWS

- Developed scalable backend services for an enterprise B2B/B2C cloud marketplace supporting subscriptions, vendor onboarding, catalog management, pricing, and order workflows.
- Designed reusable commerce modules, APIs, and marketplace workflows with clean, extensible architecture for enterprise-scale business requirements.
- Implemented Redis caching and optimized PostgreSQL queries, indexing, and filtering for **200,000+ SKUs**, reducing advanced search response time from **~40s to under 6s**.
- Improved scalability by redesigning data retrieval, optimizing pagination, reducing database load, and introducing asynchronous processing.
- Integrated external enterprise systems, participated in architecture discussions, production deployments, debugging, and continuous platform optimization.

Yogateria – B2B & B2C Commerce Platform

Role: Lead Developer

Technologies: Medusa.js • Next.js • Payload CMS • PostgreSQL • Meilisearch

- Led architecture and development of a headless B2B/B2C commerce platform supporting enterprise-scale product management and digital commerce workflows.
- Designed custom commerce modules including pricing engines, inventory management, ERP synchronization, affiliate management, and AI-powered product discovery.
- Built scalable backend APIs for product lifecycle, inventory, pricing, order management, and business-specific commerce workflows.
- Integrated CMS, ERP, payment gateways, and external services while maintaining modular architecture and reusable backend components.

- Collaborated with stakeholders to deliver scalable, maintainable engineering solutions aligned with business requirements.

Gold & Gems – Premium Jewellery Commerce Platform

Role: Lead Developer

Technologies: Node.js • Medusa.js • Next.js • GraphQL • PostgreSQL

- Architected and developed an enterprise jewellery commerce platform supporting complex catalog management, inventory synchronization, pricing strategies, and secure purchasing workflows.
- Designed scalable backend services with GraphQL APIs, real-time inventory synchronization, advanced product filtering, and reusable commerce components.
- Implemented configurable pricing models, order management, payment gateway integration, and third-party business system integrations.
- Improved application performance through PostgreSQL optimization, modular backend architecture, API optimization, and efficient workflow implementation.
- Collaborated with business stakeholders to translate domain-specific requirements into scalable enterprise commerce solutions.

Achivements	• Reduced enterprise product filtering response time from ~40 seconds to under 6 seconds by optimizing PostgreSQL queries, indexing strategies, and introducing Redis caching for 200,000+ store-specific SKUs. • Architected AI-powered backend services enabling conversational workflows, automated interview orchestration, resume understanding, and intelligent hiring automation using FastAPI and modern LLMs. • Led backend architecture and technical delivery across multiple enterprise commerce, SaaS, AI, and marketplace products while mentoring developers and driving engineering best practices. • Designed reusable backend modules, workflow engines, pricing systems, and scalable APIs that accelerated feature delivery across multiple enterprise applications. • Improved production reliability through containerization, CI/CD pipelines, modular architecture, secure authentication, and performance optimization across cloud-based deployments.		
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Languages	Gujarati	English	Hindi
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Education	<u>LDRP Institite of Technology and Research, Gandhinagar</u> Computer Engineering		B.E • 8.45 2020 - 2024
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Certifications	<u>SSIP Hackathon</u> • Finalist in SSIP Hackathon (Azadika Amrit Mahotsav 2022), (centralized online meeting management system for government) <u>NPTEL (IIT Kharagpur)</u> • Securely completed Programming in Java course offered by IIT Kharagpur with 91% and secured position in top 5% learners. (NPTEL) <u>Android Basics in Kotlin (AICTE)</u> • Completed two months Google Supported virtual internship program focuses on Android Basics in Kotlin organized by SmartInternz and AICTE.		
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