AMIT DASADIYA

Full Stack Developer | NestJS & React.js | REST APIs | PostgreSQL | AI/LLM Integrations

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PROFESSIONAL SUMMARY

Full Stack Developer experienced in architecting backend systems in **NestJS**, **PHP**, **Laravel**, building **React.js/Next.js** frontends, and integrating **AI/LLM pipelines** (LangChain, RAG, OpenAI, Anthropic). Engineered a RAG pipeline that reduced manual content effort by **~80%** for an AI-powered e-commerce platform. **Smart India Hackathon 2023 Top-5 National Finalist** (500+ teams) — led the AI architecture for a Ministry-level grievance chatbot.

TECHNICAL SKILLS

Backend: PHP, Laravel, Node.js, NestJS, Express.js, REST APIs, GraphQL, WebSockets, JWT Auth, RBAC, BullMQ

Databases: PostgreSQL, MySQL, Supabase, Redis, Prisma ORM, Query Optimization

DevOps & Cloud: Docker, Docker Compose, AWS (EC2, S3), CI/CD, Git, Microservices

Tools: Jira, Cursor, GitHub Copilot, Claude Code, Agile Development

Frontend: React.js, Next.js, TypeScript, TanStack Query, Tailwind CSS, ShadCN, SSR, Zustand

AI & LLM: LangChain, LangGraph, OpenAI API, Anthropic API, RAG, MCP, AI Agents, Tool Calling, LLM Streaming

Performance: Core Web Vitals (LCP, FCP), Lighthouse, SSR/SSG, Code Splitting, Lazy Loading

Practices: Prompt Engineering, Microservices, Agile/Scrum

WORK EXPERIENCE

Full Stack Developer | *Binary Geckos (Hybrid)* **Jan 2024 – Present**

- Architected scalable **NestJS REST APIs** with modular architecture, **Prisma ORM**, and **PostgreSQL**; handled schema migrations and query optimization across the data layer for an AI-powered e-commerce platform.
- Engineered a **RAG pipeline** using **LangChain** and **OpenAI** embeddings for context-aware AI responses; integrated **Anthropic APIs** to auto-generate category-based content and personalized product recommendations, reducing manual content effort by **~80%**.
- Integrated **BullMQ** message queues for async background job processing (emails, notifications, **PDF report generation**), decoupling heavy tasks from the request lifecycle.
- Developed **Next.js** frontends with **TypeScript** and **TanStack Query** caching; collaborated with designers on responsive, accessible UIs across sprint cycles using **React.js** components.
- Implemented **Redis caching** on high-traffic endpoints and eliminated N+1 query patterns via **Prisma ORM**, measurably reducing database load and improving average API response times by **~30%**.
- Engineered **JWT auth** with refresh token rotation, **RBAC** middleware, and **GraphQL** layer for flexible frontend data fetching.
- Containerized services with **Docker Compose** and deployed on **AWS EC2/S3** with **CI/CD** pipelines; managed sprint tasks and backlog grooming in **Jira**.

Full Stack Developer (Intern) | *Atulyam Technolabs (Ahmedabad)* **Jul 2023 – Dec 2023**

- Developed scalable **React.js** and **Next.js** frontends across 4+ client projects; integrated **REST APIs** with error handling and optimistic UI patterns using **TanStack Query**.
- Improved **Lighthouse** performance scores by **~25%** using **SSR**, code-splitting, and lazy loading; optimized **Core Web Vitals (LCP, FCP)** across all project surfaces.
- Developed a full-stack **Node.js** and **PHP** web application with **PostgreSQL** database; built an automated invoice generation system with auto-export to Excel, saving **3+ hours** of manual work per day.

PROJECTS

Livora | *Next.js, NestJS, PostgreSQL, Prisma ORM, Redis, BullMQ, TypeScript*

- Web-based PG and hostel management platform enabling property owners to list properties, manage bookings, and track operations in real time. Designed scalable **NestJS REST APIs** with **Prisma ORM** and **PostgreSQL**; implemented **Redis caching** for high-traffic queries, **BullMQ** for async notification processing, and **WebSocket** channels for real-time booking updates.

Samadhan AI | *React.js, Node.js, LangChain, OpenAI, LangGraph, PostgreSQL, WebSocket*

- AI-powered grievance chatbot for Ministry of Housing and Urban Affairs. Engineered a **RAG pipeline** using **LangChain** and **OpenAI** embeddings for context-aware responses; designed **LLM-powered agents** using **LangGraph** for multi-step reasoning with **MCP**-based tool orchestration. Led team as project lead covering architecture, data pipeline, and **API integration**; delivered an MVP in a 34-hour hackathon sprint.

Jaati Patra Portal | *PHP, Laravel, Node.js, PostgreSQL, Docker Compose, AWS EC2/S3, CI/CD*

- Government document portal for Collector Office Banaskantha to digitize citizen services. Architected backend using **PHP** and **Laravel** with **MVC pattern**. Engineered **GraphQL** API layer for flexible data fetching, **JWT auth** with **RBAC** middleware, and **PDF report generation pipeline**. Containerized services with **Docker Compose** and deployed on **AWS EC2/S3** with **CI/CD** pipelines.

ACHIEVEMENTS

Finalist, Smart India Hackathon 2023 (Top 5 / 500+ teams) | **1st Prize, Ideathon 2023** | **Grand Finale, SSIP Hackathon 2022**

EDUCATION

Master of Computer Applications (MCA) | Gokul Global University, Siddhpur, Gujarat | 2024 – 2026

Bachelor of Computer Applications (BCA) | Gokul Global University, Siddhpur, Gujarat | 2021 – 2024 | GPA: 8.33/10