

Ashish Zapadiya

Full Stack Developer & DevOps Engineer

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PROFESSIONAL SUMMARY

Motivated and detail-oriented Senior Software Engineer with 3+ years of hands-on experience in JavaScript and TypeScript-based frameworks. Skilled in building scalable backend services and modern frontend applications using Node.js, React.js, and Next.js. Experienced in integrating AI and LLM capabilities into production applications using LangChain, LangGraph, and OpenAI APIs. Familiar with cloud services, REST APIs, GraphQL, and microservices architecture. Passionate about delivering impactful, user-friendly web applications with clean and maintainable code.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript

Frontend: React.js, Next.js, Tailwind CSS, Shadcn/ui, HTML5, CSS3

Backend: Node.js, Express.js, Nest.js

AI/LLM Tools: LangChain, LangGraph, OpenAI GPT API, Claude AI API, Vector Databases

Databases: PostgreSQL, MongoDB, MySQL

Cloud & AWS: AWS EC2, S3, Amplify, API Gateway, CloudWatch, IAM

DevOps & Infrastructure: Docker, Kubernetes, Terraform, GitHub Actions, Jenkins, CI/CD Pipelines

Monitoring: Grafana, AWS CloudWatch, Logging Services

API & Architecture: REST APIs, GraphQL, JWT Auth, Microservices, WebSockets

Dev Tools: Git, GitHub, Postman, Jira, Slack

PROFESSIONAL EXPERIENCE

Sr. Software Developer • Zennova Tech Pvt. Ltd, Ahmedabad | November 2025 – Present

- Built full-stack features using Next.js/React on the frontend and Nest.js in a microservice setup.
- Created and connected service APIs and maintained data models using PostgreSQL.
- Developed reusable UI components and smooth user flows with modern React practices.
- Integrated AI features and LLM-based workflows into backend services using LangChain and OpenAI APIs.
- Managed cloud deployments using AWS services including EC2, S3, and Amplify.
- Guided junior developers and handled task planning and code reviews.

Full Stack Developer • eSparkBiz Technologies Pvt. Ltd, Ahmedabad | January 2024 – October 2025

- Built full-stack web apps using React.js for frontend and Express.js/Nest.js for backend.
- Developed responsive and accessible UI using Tailwind CSS and React Hooks.
- Integrated AI features using LangChain, GPT-4 APIs, and Claude API for chatbot interactions and content summarization.
- Created proof-of-concept applications using LangGraph for multi-step LLM workflows.
- Developed and maintained REST APIs and GraphQL services consumed by web and mobile clients.
- Worked with PostgreSQL and MongoDB for data modeling and query optimization.

Jr. Software Developer • InfoLabz Technologies Pvt. Ltd, Ahmedabad | January 2023 – December 2023

- Built basic web features using React for the frontend and Node.js for backend services.
- Developed and maintained REST APIs and contributed to backend architecture improvements.

- Fixed bugs, troubleshoot issues, and supported the development team in day-to-day tasks.
- Assisted in implementing UI components and maintaining application functionality.
- Collaborated with senior developers to learn best practices and contribute to project progress.

EDUCATION

Bachelor of Engineering – Computer Engineering

Gujarat Technological University (GTU)

KEY PROJECTS

Grocery Delivery Platform

Technologies: *Next.js, Node.js, TypeScript, PostgreSQL, AWS S3, REST APIs, WebSockets*

- Designed and built the backend for a grocery delivery platform with real-time order tracking and multi-store support.
- Developed REST APIs for product catalog, order management, delivery slot scheduling, and coupon validation.
- Implemented real-time order status updates using WebSockets for seamless customer experience.
- Stored product media and delivery assets on AWS S3 using pre-signed URL access patterns.
- Built dynamic pricing and discount engine with configurable rules stored in PostgreSQL.

ERP System for Manufacturers

Technologies: *Nest.js, TypeScript, Node.js, PostgreSQL, REST APIs, JWT Auth, Grafana, WebSockets*

- Designed and built a backend ERP platform covering procurement, inventory management, production planning, quality control, and sales order workflows.
- Implemented a microservices architecture using Nest.js with each domain as an independently deployable service.
- Designed relational data models in PostgreSQL covering BOMs, work orders, stock movements, and supplier records.
- Developed RBAC with JWT Auth supporting plant managers, procurement officers, warehouse staff, and executive roles.
- Integrated Grafana for real-time KPI dashboards covering production output, stock levels, and supplier performance.

Web Performance Analyzer

Technologies: *Node.js, TypeScript, Puppeteer, PostgreSQL, REST APIs, WebSockets, OpenAI API*

- Built the backend for a website audit platform that accepts any URL and returns a structured performance report.
- Used Puppeteer in a headless Node.js service to automate browser-based audits capturing page load time, render-blocking resources, and accessibility issues.
- Integrated OpenAI API to analyze page content and generate human-readable UX improvement suggestions.
- Designed a scoring engine computing weighted scores across performance, accessibility, and content quality.
- Stored versioned audit results in PostgreSQL allowing score tracking across multiple scans over time.

AI-Powered Story Generator

Technologies: *Node.js, TypeScript, LangChain, LangGraph, GraphQL, MongoDB, WebSockets*

- Designed and built the backend for a storytelling platform where users co-create stories with AI agents in real time.
- Integrated LangChain to manage multi-turn conversation context, character state, and plot memory across full story sessions.
- Built multi-step LLM workflows using LangGraph for story branching, tone switching, and automatic chapter summarization.
- Developed a GraphQL API for story CRUD, chapter sequencing, and character management.
- Implemented per-user session isolation with full history persisted in MongoDB for resumable storytelling.