

REYANSH JOSHI

Senior Full Stack Engineer | Backend & AI Platform Engineering

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PROFESSIONAL SUMMARY

Senior Full Stack Engineer with 4+ years of experience designing scalable cloud-native applications, distributed backend systems, and AI-powered enterprise platforms. Proven expertise in Node.js, React, Python, AWS, Microservices, FastAPI, and modern DevOps practices. Experienced in leading engineering teams, architecting high-performance systems, building production AI applications with LangChain and OpenAI APIs, and delivering secure, scalable software for enterprise customers.

KEY ACHIEVEMENTS

- **Architecture & Scalability:** Redesigned core application architecture, improving scalability and maintainability by 35%.
- **DevOps Automation:** Cut deployment time by 40% by building automated CI/CD pipelines on AWS, Docker, and Nginx.
- **Performance Engineering:** Reduced database latency by 45% through MongoDB and PostgreSQL query optimization.
- **AI Platform Delivery:** Built AI-powered automation with LangChain and OpenAI APIs, cutting manual research effort by 60%.
- **Technical Leadership:** Managed and mentored a team of 4 engineers, leading sprint planning, code reviews, and architecture decisions.
- **High-Availability Systems:** Delivered platforms supporting 5,000+ concurrent users with zero downtime during peak load.

CORE COMPETENCIES

- MERN Stack Development & Cloud-Native Application Architecture
- Distributed Systems, Microservices & Event-Driven Architecture
- RESTful & GraphQL API Design, Backend Architecture, and Scalable API Development
- AI Engineering — LangChain, OpenAI APIs, RAG Workflows, Prompt Engineering
- Cloud Infrastructure, DevOps Automation & CI/CD (AWS, Docker, Jenkins, GitHub Actions)
- Technical Leadership — Architecture Reviews, Mentoring, and Cross-Functional Collaboration
- High Availability, Fault Tolerance & Performance Optimization
- Agile/Scrum Delivery & Client Advisory Collaboration

TECHNICAL SKILLS

- **Programming Languages:** JavaScript, TypeScript, Python, SQL, Bash
- **Frontend:** React.js, Next.js, HTML5, CSS3, Tailwind CSS, Material-UI, Ant Design
- **Backend & APIs:** Node.js, Express.js, FastAPI, Django, RESTful APIs, GraphQL
- **Databases:** MongoDB, PostgreSQL, MySQL, Prisma, Sequelize, Redis
- **AI Engineering:** LangChain, OpenAI APIs, LLMs, Retrieval-Augmented Generation (RAG), Prompt Engineering, AI Automation
- **Cloud & DevOps:** AWS (EC2, S3, Lambda, RDS, CloudWatch), Docker, Nginx, Jenkins, GitHub Actions, CI/CD
- **Messaging & Integration:** Kafka, RabbitMQ, Web Scraping & Automation, Payment Gateway Integration
- **Testing & Security:** Jest, Postman, Swagger, JWT, OAuth2, Unit Testing, Code Review
- **Concepts:** System Design, Distributed Systems, Microservices, Event-Driven Architecture, API Design
- **Tools & Methods:** Git, GitHub, Jira, ClickUp, Confluence, Agile/Scrum, VS Code

PROFESSIONAL EXPERIENCE

Senior Software Developer | DelveInsight Business Research LLP | Gurugram, India *Mar 2025 – Present*

- Architected and delivered enterprise-grade MERN stack (MongoDB, Express.js, React.js, Node.js) applications, boosting scalability and maintainability by 35% through distributed system redesign.
- Led technical design decisions and automated CI/CD workflows using AWS, Docker, and Nginx, reducing deployment time by 40%.
- Managed and mentored a team of 4 engineers; led sprint planning, architecture and code reviews, and DevOps implementation in an Agile/Scrum environment.
- Optimized MongoDB and PostgreSQL queries, reducing database latency by 45% and improving overall system performance.
- Designed enterprise AI assistants and automated data extraction pipelines using LangChain and OpenAI APIs with web scraping workflows, cutting data analysis time by 60%.
- Owned production monitoring and incident response, ensuring 99.9% uptime through proactive AWS CloudWatch monitoring and fault-tolerant DevOps practices.

Software Engineer | Spanidea Systems | Jodhpur, India *Sep 2022 – Mar 2025*

- Designed and developed Node.js and Express.js microservices and scalable RESTful APIs for large-scale enterprise applications serving thousands of concurrent users.
- Integrated and secured payment gateways (Razorpay, CCAvenue) with audit-compliant transaction logging, ensuring PCI-DSS alignment.
- Reduced server response time by 30% through performance tuning, Redis caching, and load optimization strategies.
- Collaborated with product and business stakeholders to deliver responsive, data-driven UIs using React.js and digital system integration.
- Built real-time chat, live class, and CRM features for EdTech platforms (Dhister, IFAS, Lurnigo) using WebSockets and Node.js, supporting high-availability, fault-tolerant delivery.

KEY PROJECTS

DelveInsight AI Platform *(Solo Lead)*

- Architected and deployed an AI-powered enterprise chatbot with a Retrieval-Augmented Generation (RAG)-style document search pipeline, using LangChain and OpenAI APIs on the MERN stack, to replace slow, manual business research workflows; deployed on AWS with CloudWatch-based monitoring, reducing manual research effort by 60% and maintaining 99.9% platform uptime.

Employee Onboarding System *(Lead Developer)*

- Replaced a fragmented, manual onboarding process with an end-to-end MERN-based HR automation suite covering intake through completion; streamlined onboarding for 200+ employees, improving process efficiency by 35% and cutting manual HR effort by 50%.

Lurnigo EdTech Platform *(Backend Lead)*

- Built and scaled a Node.js/Express.js REST API backend with a WebSocket-based real-time layer and integrated Razorpay payments to support live classes and chat reliably at scale; handled 5,000+ concurrent users with zero downtime during peak sessions.

Melodi Log Analysis Tool *(Solo Developer)*

- Engineered an intelligent log parsing and analysis engine using Python and FastAPI to automate root-cause detection across distributed services in place of slow manual investigation; reduced average debug time by 40% and saved 10+ engineering hours per week.

Sensor Coverage Tool *(Backend Developer)*

- Built a Django-based IoT sensor monitoring backend with JWT authentication and a threshold-based real-time alerting engine to close gaps in fault detection; improved fault detection accuracy by 25% and reduced missed alerts by 30%.

Meeting Room Booking App *(Full Stack Developer)*

- Designed a full-stack scheduling platform with conflict-resolution logic on the MERN stack to eliminate double-booking conflicts across departments; cut room scheduling time from 15 minutes to under 2 minutes per request.

Agastya Heritage *(Backend Developer)*

- Implemented Node.js microservices across 3 integrated modules with transaction-safe database operations to unify fragmented patient intake and hotel workflows; reduced inter-service API response time by 35% and improved data consistency.

EDUCATION

B.Tech – Mechanical Engineering | JECRC College, Jaipur, India | 2018 – 2022

Successfully transitioned from Mechanical Engineering to Software Engineering through intensive self-learning and hands-on product development, progressing to Senior Full Stack Developer level within 4 years.

CERTIFICATIONS & TRAINING

- Full Stack Development (Python) — Codeplanet Technologies
- Self-directed training: Node.js, React.js, MongoDB, Docker, DevOps, LangChain, OpenAI APIs

LANGUAGES

English (Professional), Hindi (Native)