

Jigar Patel

Software Engineer – Lead

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PROFESSIONAL SUMMARY

As Software Engineer with **9 years of experience** specializing in backend development, AI-powered automation, and full-stack applications. Skilled in **Node.js, Laravel, Express.js, Vue.js, database engineering, API design, and cloud deployment**. Proven track record of managing client servers, optimizing database security, and delivering scalable backend solutions. Experienced in integrating **AI-driven chatbots, workflow automation using N8N**, and data-processing pipelines to enhance efficiency and customer experience. Adept at leading technical initiatives, optimizing infrastructure, and delivering scalable, secure solutions.

Languages & Frameworks

- Node JS
 - Express JS
 - Socket.io
 - Laravel
 - Vue JS
 - JavaScript (ES6)
 - jQuery
 - HTML, CSS, Bootstrap
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AI & Automation

- AI Chatbot Development, Prompt Engineering, Automated Workflows, API-driven AI Integration.
 - N8N Workflow
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DATABASE EXPERTISE

- MySQL
 - MongoDB
 - PostgreSQL
 - Google cloud Data store
 - Fire-base Console
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DevOps / Cloud

- Digital Ocean
 - Linux Servers
 - AWS
 - Jenkins
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Tools & Automation

- Git
 - JIRA API
 - JIRA Automation Rules
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STRENGTHS

- API architecture, real-time communication, database optimization

PROFESSIONAL EXPERIENCE

Senior Software Engineer

Crest Info Systems Pvt. Ltd. | Surat, India

November 2021-Present

- **AI Implementation:** Designed and deployed an **AI-powered chat-bot** to assist customers and the administration team, significantly improving support efficiency.
- **N8N workflow automation:** Designed and implemented an automated n8n workflow to validate and process orders, with real-time email notifications sent to both customers and administrators.
- **Development Optimization:** Integrated **AI tools** into the **development workflow** to accelerate project timelines and **coding efficiency**.
- Direct the implementation of websites based on specific client requirements and project specifications.
- **Manage client servers** and oversee projects utilizing various database structures to ensure operational stability.
- Developed **optimized database schemas** and **migration structures** across multiple platforms.
- Implement **robust security measures for databases**, specifically securing MySQL environments.
- Generate comprehensive analytics and reports using **Google Studio**.

Senior Back End Developer

Kritikal Solutions Pvt. Ltd. | Surat, India

December 2020–November 2021

- Developed backend modules for **Byju's**, India's largest EdTech product.
- Built and **integrated REST APIs** while ensuring security and high performance.
- **Automated data processing** and **reporting workflows** for improved business insights.
- Improved backend architecture to **support high-volume traffic** and large datasets.

Senior Software Engineer

Sassy Infotech Pvt. Ltd. | Surat, India

December 2017-December 2020

- Configured remote clients and local Ubuntu-based servers, tailoring setups to meet specific project requirements
- Managed server infrastructure on **Digital Ocean**, including the configuration of various droplets.
- Developed REST APIs for web and mobile applications using Node JS (with TypeScript) and Laravel.
- Implemented **real-time chat** modules using **Socket.io** and **Firebase Console**.
- Built authentication flows and role-based access using Firebase.
- Collaborated closely with **Database Administrators** to **manage MySQL, MongoDB, and Firebase databases**.

Junior Software Engineer (Training)

Wama Software | Ahmedabad, India

December 2016-December 2017

- Created REST APIs for web and mobile platforms utilizing Node JS and Laravel.
- Implemented chat functionality using Socket.io and worked with MongoDB, MySQL, and Firebase.

EDUCATION

- **Master of Computer Applications (MCA)** | Passing Year: May - 2017
Charotar University of Science & Technology
- **Bachelor of Computer Applications (BCA)** | Passing Year: February - 2015
Veer Narmad South Gujarat University