

# Karan Sojitra

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## PROFESSIONAL SUMMARY

Senior Full-Stack Engineer with **7+ years of experience** architecting and delivering scalable, high-performance distributed systems across e-commerce, social media, gaming, and hospitality domains. Deep expertise in **Node.js, React, Next.js, MongoDB, PostgreSQL, and AWS**. Proven track record leading cross-functional teams of 15+, designing RESTful and real-time APIs, and reducing system latency by 40%. Proficient with **AI/ML platforms** including Google Vertex AI, Gemini, Claude AI, and agentic coding tools.

## TECHNICAL SKILLS

**Languages:** JavaScript (ES6+), TypeScript, SQL, HTML5, CSS3

**Frontend:** React.js, Next.js, jQuery, Electron.js

**Backend:** Node.js, NestJS, RESTful APIs, OAuth, WebRTC, VOIP

**Databases:** MongoDB, PostgreSQL, Cassandra, Elasticsearch

**Cloud & DevOps:** AWS (EC2, S3, CDN), Docker, CentOS, GitHub Actions

**AI & ML:** Google Vertex AI, Gemini API, Claude AI (Anthropic), Amazon Q Developer, Kiro IDE

**Concepts:** System Design, Microservices, Caching, API Gateway, Real-Time Systems, Agile/Scrum

## PROFESSIONAL EXPERIENCE

### Senior Software Engineer (Current Role)

Sept 2025 – Present

*Trootech Business Solutions*

*Ahmedabad, India*

- Developing scalable micro-frontend solutions within the **ERPForce** ecosystem using **React 18, TypeScript, Vite, and Module Federation**, enabling independent deployments and seamless integration across enterprise systems.
- Building complex enterprise HR and workforce management features including employee lifecycle workflows, recruitment pipelines, attendance tracking, and configurable policy engines with **Redux Toolkit, React Hook Form, and REST API integrations**.
- Designing dynamic UI experiences using **Material-UI**, custom component libraries, and visual workflow builders while supporting multi-language interfaces and responsive enterprise dashboards.
- Leveraging **Claude, Amazon Q Developer, and Kiro IDE** for agentic development workflows, accelerating feature delivery, improving code quality, and streamlining debugging and implementation cycles.

### Software Analyst

May 2024 – Sept 2025

*Radixweb*

*Ahmedabad, India*

- Architecting and delivering scalable full-stack systems using **Node.js, React, Next.js, and AWS** for high-traffic production workloads.
- Built **Bonfanti Hotel Design** implemented scalable backend services and clean API integrations to streamline hotel bookings and guest management, collaborating closely with stakeholders.
- Leveraged **Amazon Q Developer and Kiro IDE** for agentic coding workflows, improving development velocity and code review automation.

### Senior MERN Stack Engineer

June 2023 – May 2024

*Grow Solutions Pvt. Ltd*

*Surat, India*

- **Led a team of 15 engineers**, successfully delivering **5 projects on schedule** while maintaining high code quality standards.
- Built **PlayZen.io**, a browser-based gaming platform implemented MongoDB for user data and game metadata, and integrated a CDN to optimize global game asset delivery.
- Established CI/CD pipelines, code review processes, and engineering best practices adopted org-wide.
- Collaborated directly with clients daily to gather requirements and translate them into scalable technical solutions.

### Senior Software Engineer

September 2022 – May 2023

*Ficode Software Technologies Pvt. Ltd*

*Mohali, India*

- Led backend development of **Datesafe**, a matchmaking app (Tinder-like) designed API architecture, server-side logic, and performance optimization strategies.
- Conducted **code reviews and mentored junior developers**, improving team code quality and reducing bug rates.
- Collaborated with project managers on **cost-saving strategies and resource optimization**, reducing overhead by streamlining workflows.

### Software Engineer

July 2021 – May 2022

*Ecosmob Technologies Pvt. Ltd*

*Ahmedabad, India*

- Developed **Tragophone**, a WebRTC-based voice and video calling platform built real-time communication features and ensured cross-device compatibility.
- Implemented **OAuth authentication**, REST APIs, and automated scripts to streamline common development tasks.
- Built and maintained software across **Node.js and React.js** in a fast-paced, production-grade environment.

### Backend Developer

December 2019 – July 2021

*3Embed Software Technologies Pvt. Ltd*

*Bengaluru, India*

- Engineered RESTful APIs for **Roadyo**, a multi-service e-commerce, food ordering, and cab booking platform built backend flows for order management and cart functionality.
- Led backend development of **Mettamuse**, a customizable e-commerce platform from scratch managed API design, server setup, deployments, and daily client engagement.
- Built **Dubly**, a social media + e-commerce platform (Instagram/TikTok hybrid) engineered API flows for video uploads, likes, comments, stories, and an integrated wallet system.
- Reduced backend API latency by **40%** through architectural redesign; mentored team members and established goals ensuring consistent on-time delivery.

## EDUCATION

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<b>Master of Computer Applications (MCA)</b> <i>Parul University</i>	Aug 2021 – Feb 2023 <i>Vadodara, India</i>
<b>Bachelor of Computer Applications (BCA)</b> <i>Veer Narmad South Gujarat University</i>	Aug 2015 – Feb 2018 <i>Surat, India</i>

## CERTIFICATIONS

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**Meta Frontend Developer Certificate** – Meta (Coursera)  
**AI & Agentic Tools:** Hands-on experience with Google Vertex AI, Gemini API, Claude AI (Anthropic), Amazon Q Developer, and Kiro IDE for agentic coding workflows.

## KEY ACHIEVEMENTS

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- **Enterprise Platform Development:** Contributed to building scalable workforce management features within the **ERPForce** ecosystem using **React 18, TypeScript, Vite, and Module Federation**, enabling modular micro-frontend architecture and independent feature deployments.
- **Advanced Frontend Architecture:** Designed high-performance, maintainable frontend systems using **Redux Toolkit, lazy loading, and scalable component libraries**, delivering responsive multilingual enterprise interfaces with **Material-UI and React Hook Form**.
- **Workflow Business Logic Systems:** Implemented complex enterprise workflows including employee lifecycle processes, approval chains, and configurable policy engines using dynamic state management and visual workflow builders.
- **AI-Assisted Engineering:** Leveraged **Claude, Amazon Q Developer, and Kiro IDE** for agentic coding workflows and rapid prototyping; additionally built an **AI-powered Travel Itinerary Generation Agent** using **Google Gemini API and Vertex AI**.
- **Product Ownership & Delivery:** Led engineering efforts across multiple production systems, delivering **5+ large-scale products** across domains including social media, gaming, hospitality, dating, and multi-service platforms.
- **Performance Optimization:** Improved system performance by reducing backend API latency by **40%** through architectural improvements and caching strategies using **Elasticsearch and CDN**.