MANJEET KUMAR

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PROFESSIONAL SUMMARY

Full Stack MERN + AI Developer with 3+ years of experience building scalable web applications, RESTful APIs, and real-time systems with Node.js, NestJS, Express.js, React.js, Next.js, and TypeScript. Builds AI-powered applications using LLM integrations, agentic workflows, Retrieval-Augmented Generation (RAG) pipelines, LangChain, LangGraph, embeddings, and vector databases (ChromaDB). Experienced delivering both enterprise business platforms and AI products, with strong skills in MongoDB, MySQL, Redis, Socket.IO, Docker, and AWS.

TECHNICAL SKILLS

Frontend: React.js, Next.js, Vite, JavaScript (ES6+), TypeScript, HTML5, CSS3
Backend: Node.js, Express.js, NestJS, REST APIs, Microservices, Python
Databases & Caching: MongoDB, MySQL, Sequelize, Redis, ChromaDB (vector database)
AI, LLM & Agentic Systems: LLM integration, RAG, LangChain, LangGraph, Embeddings, Semantic Retrieval, Conversational Memory, Agentic AI Workflows, Multilingual AI Responses, OpenAI API, Google Gemini API, Plant AI API
Real-Time Systems: Socket.IO, WebSockets, Event-Driven Communication
Auth & Payments: JWT, Session Management, OAuth 2.0, Role-Based Access Control, Razorpay, Stripe
Infrastructure & Integrations: BullMQ, AWS S3, Google Cloud Storage, Firebase Cloud Messaging, Slack Block Kit, Twilio, Docker, Git, GitHub

PROFESSIONAL EXPERIENCE

MERN Stack Developer | Dotcube Technologies **Mar 2026 – Present**

- Design and develop scalable backend microservices and RESTful APIs using Node.js, NestJS, and Express.js, with Next.js frontends, for high-traffic production applications.
- Integrate AI-powered features into platforms, automating repetitive workflows and improving user engagement.

MERN Stack Developer | Coreteams Softech Pvt. Ltd., Jaipur **May 2024 – Feb 2026**

- Engineered RESTful APIs and real-time features with Socket.IO serving thousands of concurrent users with sub-100ms latency.
- Optimized MongoDB and MySQL schemas to reduce query latency, and containerized services with Docker for consistent deployments.
- Implemented WebSocket modules for live data synchronization and reduced bug escape rate through structured code reviews.

MERN Stack Developer | API Partners Infotech Pvt. Ltd., Jaipur **Jul 2023 – May 2024**

- Developed full-stack MERN and Next.js features and integrated Stripe and Razorpay payment gateways serving 5,000+ users.
- Developed file upload/download microservices on AWS S3 and Google Cloud Storage for enterprise asset management.
- Applied test-driven development (TDD) and contributed to CI/CD pipeline configuration, ensuring 99%+ availability across deployments.

PROJECTS

Agentic AI Document Workspace — RAG & Conversational Memory
Next.js, Node.js, TypeScript, LangGraph, ChromaDB, RAG, Embeddings, Redis, BullMQ, LLMs

- Developed an agentic AI workspace where users upload documents and ask questions through a conversational interface, with answers grounded in document content.
- Engineered a document-ingestion pipeline that chunks uploads, generates embeddings, and stores vectors in ChromaDB for semantic retrieval within RAG workflows.
- Orchestrated retrieval and conversation flows with LangGraph, adding conversational memory so follow-up questions use relevant prior context, and displayed source references alongside answers.
- Implemented queued background document processing with Redis and BullMQ; built the Next.js frontend and Node.js/TypeScript backend services.

Agentic AI Website Chatbot — Business Knowledge Assistant
Next.js, Node.js, TypeScript, LangChain, LangGraph, RAG, Embeddings, ChromaDB, OpenAI API, Socket.IO, OAuth 2.0

- Developed an embeddable AI chatbot platform where businesses upload knowledge documents and visitors receive context-aware, document-grounded answers via a RAG pipeline with ChromaDB semantic retrieval, orchestrated with LangChain and LangGraph.
- Delivered real-time chat, voice navigation, FAQ automation, lead collection, and human handoff, embeddable on any website through a lightweight script.
- Implemented domain-based access control, an analytics dashboard, and customizable themes for secure multi-tenant deployments using OAuth 2.0.

AI-Powered Garden and Plant Management Platform
Node.js, MongoDB, LLM Integration, Google Gemini API, Plant AI API, Firebase Cloud Messaging

- Developed an AI platform for image-based plant identification and disease detection, integrating the Plant AI and Gemini APIs to generate care guidance, disease explanations, precautions, and management recommendations.

- Used LLM integration to present plant information in the user's selected language, with generated content streamed to the interface.
- Implemented plant management and watering schedules with timezone-aware watering and plant-health notifications through Firebase Cloud Messaging.

On-Demand Services Marketplace with LLM-Powered Service Discovery
Node.js, TypeScript, MongoDB, Razorpay, LLM Integration, Google Gemini API

- Developed service discovery, booking, and fulfillment workflows connecting customers with gig workers, and integrated Razorpay for payment processing.
- Integrated an LLM (Gemini API) to interpret natural-language problem descriptions, including voice-transcribed input, and recommend relevant services available on the platform.

Pharmaceutical Supply Chain, Inventory and ERP Platform
Node.js, Express.js, React.js, Vite, MySQL, Sequelize, Razorpay, Socket.IO, Firebase Cloud Messaging, JWT, Redis, BullMQ

- Developed a multi-role enterprise platform with Super Admin, Manufacturer, Distributor, and Retailer panels, plus workflows for retailers, delivery personnel, checkers, and packers.
- Implemented hierarchical ordering, order processing and tracking, multi-warehouse inventory with expiry tracking, expiry-based returns, patient billing, accounting, and automated GSTR-1 reporting.
- Implemented employee, role, and permission management with role-dependent menu access, subscription-based access with Razorpay payments, and JWT/session-based authentication.
- Developed notification and file-upload microservices and CSV-based stock imports; used Socket.IO for real-time updates and Redis with BullMQ for background processing.

Fantasy Sports Platform — Third-Party API Integration and Live Scores
Node.js, MongoDB, Socket.IO, Third-Party Sports APIs

- Integrated third-party sports APIs and built backend services to fetch, process, and store match data in MongoDB, exposing internal APIs for the main application backend.
- Implemented Socket.IO live score updates and automated fantasy point calculations for connected clients.

Slack Poll and Survey Application — Easy Polls
Node.js, MySQL, Slack Block Kit, OAuth 2.0

- Developed a Slack app for creating polls and surveys inside channels, with interactive Block Kit UI and Slack OAuth 2.0 authorization.
- Implemented single- and multiple-selection questions, voter-hiding options, and backend/database workflows with real-time response aggregation.

ADDITIONAL PROJECTS

School Management ERP System *(Node.js, Next.js, TypeScript, MySQL, Socket.IO, Redis, BullMQ, Firebase Cloud Messaging)* — Developed attendance, class, teacher, library, and examination workflows with real-time updates, background jobs, and push notifications.

Yacht and Jet Ski On-Demand Purchasing & Delivery Platform *(Node.js, TypeScript, MongoDB, Stripe, Socket.IO)* — Developed order workflows letting customers request products by name, URL, or image for drivers to purchase and deliver to yachts; integrated Stripe payments and real-time order updates.

Healthcare Marketplace / HCP Management Platform *(Node.js, MongoDB)* — Developed APIs and data models for patient management, treatment records, and follow-up management.

US Cannabis E-Commerce Platform *(Node.js, Next.js, MongoDB)* — Implemented admin product and category management and customer product browsing and purchasing workflows.

Casino Gaming Platform — Real-Time Game Systems *(Node.js, Socket.IO, WebSockets)* — Engineered real-time casino game logic with WebSocket state management and game-state synchronization, with multi-provider payment gateway integration.

EDUCATION & CERTIFICATIONS

B.Sc. | Jaipur National University Dec 2019 – Jan 2023
MERN Stack Development Certification | Grass IT Solutions Aug 2022 – Nov 2022