Manan Vijay

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Professional Summary

Full-Stack Engineer focused on secure, scalable backend systems – **React.js**, **Node.js**, **Spring Boot**, **PostgreSQL**, **Docker**, and **CI/CD**. Architected multi-role, production-grade platforms with **RBAC** and **payment infrastructure**, including a self-directed security audit that closed authorization vulnerabilities pre-launch. **1200+ DSA problems solved (900+ on LeetCode)**, **1800+ contest rating**, **Smart India Hackathon Finalist**.

Education

Bachelor of Technology in Electronics & Communication Engineering 2023 – 2027
*JECRC Foundation (Rajasthan Technical University) | CGPA: **7.5**/10* *Jaipur, Rajasthan*

Technical Skills

Languages: C, C++, Java, JavaScript, TypeScript, Python
Frontend: React.js, Next.js, Redux, HTML, CSS, Tailwind CSS
Backend: Node.js, Express.js, Spring Boot, REST APIs, JWT Authentication
Databases: MongoDB, MySQL, PostgreSQL, H2 Database
DevOps & Tools: Docker, CI/CD Pipelines, Git, GitHub, Postman, Vercel, Kafka
Core Concepts: Data Structures & Algorithms, OOP, DBMS, Operating Systems, Computer Networks
Soft Skills: Problem Solving, Self-Learning, Team Collaboration, Adaptability

Projects

InstaVEG | *React.js, TypeScript, Node.js, PostgreSQL, Drizzle ORM* Live

- Architected a role-based marketplace (Buyer, Seller, Admin) with **JWT authentication** and **RBAC**; ran a self-directed security audit that identified and patched **BOLA/IDOR** authorization flaws before deployment.
- Built a type-safe **REST API** layer (Node.js, Express.js, PostgreSQL, Drizzle ORM) with **OpenAPI-first** contracts and **Zod validation**, preventing malformed data from reaching the database.
- Shipped real-time order tracking, seller analytics, and **Razorpay** payments (React.js, TanStack Query); containerized the stack with **Docker** for reproducible dev/prod environments.

Appointy | *React.js, Node.js, Express.js, MongoDB, Razorpay* Live

- Designed a multi-role appointment platform (Patient, Doctor, Admin) with specialty-based discovery, modeling **MongoDB** schemas for real-time availability under concurrent booking load.
- Found and fixed a **race condition** allowing double-booked slots, adding **concurrency-safe** write logic to guarantee scheduling consistency under simultaneous requests.
- Integrated **Razorpay** across multiple payment modes with full booking-lifecycle management; **Dockerized** services for consistent local and production deployment.

Experience

Freelance Full Stack Developer Remote
Self-Employed *May 2024 – June 2026*

- Owned **20+ full-stack apps** end-to-end for independent clients – requirements, architecture, deployment – as sole engineer on each engagement (React.js, Node.js, Express.js, REST APIs).
- Built **JWT-authenticated REST APIs** and responsive, production UIs (Tailwind CSS), working directly with clients to ship features on tight timelines.
- Shipped and maintained live production deployments across engagements – handling post-launch bug fixes, feature iterations, and client feedback rather than one-time handoffs.

Achievements

- Solved **1200+ DSA problems** across platforms (**900+ on LeetCode**), achieved a **1800+ contest rating**, and earned the **500 Days Badge**. Leetcode
- Secured **Global Rank 375** in LeetCode Biweekly Contest 190, **Global Rank 198** in Biweekly Contest 174, and **Global Rank 1576** in Biweekly Contest 175 among thousands of participants worldwide.
- Finalist at **Smart India Hackathon (SIH)** and participant in multiple national-level hackathons.
- Invited as Guest Speaker at JECRC University for "Protocraft" – a Figma and UI/UX Design Workshop organized by DevCrest JU.
- Co-founded Flickies, a Jaipur-based streetwear brand, leading branding, creative design, and digital presence.
- **Oracle Cloud Infrastructure Generative AI Professional** certification.
- **JPMorgan Chase & Co.** Software Engineering Virtual Experience (Forage) – backend tasks in Java, Spring Boot, and Apache Kafka for async transaction processing; **Deloitte** Data Analytics Job Simulation (Forage).