

# Manu Abhishek Panjoria

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## Experience

### Software Application Developer

**RIMES**

Delhi, India, 05/2024 - Present

- Spearheaded design and scaling a rainfall data monitoring platform adopted by **30+** meteorological centers, improving data accuracy by 20%.
- Designed & implemented RESTful APIs, optimizing query response time from **21ms to 6ms** using Redis caching.
- Implemented secure authentication & authorization using OAuth, JWT, and RBAC, **enhancing system security**.
- Led a cross-functional team of **5 developers**, overseeing the full project lifecycle, from requirement analysis to deployment.

### Software Developer

**Excellence Pvt. Ltd.**

Noida, India 09/2023 - 05/2024

- Built **reusable UI components**, reducing load time by **3 seconds** and ensuring compliance with **Google Web Vitals**.
- Engineered a **modular data flow pipeline** from UI to backend using **RESTful services**.
- Managed Linux-based server infrastructure (Ubuntu), optimizing **server performance and reducing downtime by 40%**.
- Independently delivered a **client-specific frontend** for the **Kestra project**, meeting all design and performance requirements.

## Projects

### Finance Platform

- Developed a **AI finance platform** for intelligent expense tracking, budgeting, and financial insights using Shadcn UI/Tailwind CSS.
- Implemented **Google Gemini API** for receipt scanning (OCR) and generating personalized monthly financial insights via the Next.js backend.
- Leveraged **Ingest** for cron jobs automating recurring transactions, budget email alerts (**Resend**), and AI report generation.
- Built secure CRUD for transactions (**Clerk** for Auth, **Arcjet** for API protection) with advanced search/filtering, user-defined budgets, **Recharts** visualizations, and **React Hook Form/Zod** for forms.

### NCMRWF Website Revamp (React.js, Redux, Node.js, Express.js, PostgreSQL, Redis, Docker)

**LIVE**

- **Led a team of 3 engineers** in designing and delivering scalable backend APIs serving over **1,000 daily users** across national research organizations (IMD, NIOS, IITM).
- Reconstructed and normalized **10+ PostgreSQL schemas**, improving **scalability, query performance**, and maintainability.
- Built employee data management features **enabling search, filters, and CRUD** operations on **158+** active records.
- Delivered real-time SPA dashboards displaying 150+ weather charts, reducing server load by **40%** via **Redis caching**.
- **Collaborated with 5+ cross-functional teams to ensure secure, synchronized multi-tenant data integration.**

## Skills

- **Programming Languages:** JavaScript, TypeScript, Python, C, C++, Java
- **Front-end Technologies:** HTML, CSS, Tailwind CSS, Bootstrap, ReactJS, Angular, Redux, React Query
- **Back-end Technologies:** Node.js, Express.js, Django, REST APIs, Microservices, JWT, Role-Based Access Control (RBAC)
- **Databases:** MySQL, PostgreSQL, MongoDB, Firebase, NoSQL
- **Infrastructure & DevOps:** Git, GitHub, CI/CD, Terraform
- **Cloud Platforms:** AWS (S3, Lambda, EC2), Supabase
- **Testing & Tools:** Postman, VS Code, Jest, API Testing
- **Core CS Subjects:** Data Structures & Algorithms, Operating Systems, Networking, DBMS, System Design
- **Miscellaneous:** Agile, JIRA, Confluence, Secure API Design, Performance Optimization, Redis Caching, Rate Limiting

## Education

### Bachelor of Technology

**Dr. A.P.J Abdul Kalam Technical University**

Lucknow, India 07/2019 - 05/2023

- Major in Information Technology

## Certifications

- React deep fundamentals– [NamasteDev](#) (2023)
- NodeJs Fundamentals – [Udemy](#) (2022)