

Rajesh Kr Choudhary

Full Stack Developer Noida, India

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Skills

Frontend:

- React,
- Next.js,
- TypeScript,
- JavaScript (ES6+),
- Tailwind CSS,
- HTML5,
- CSS3,
- Redux,
- React Hook Form

Backend/Tools

- Nodejs,
- Express,
- MySQL,
- Docker,
- Python
- Django,
- Django restframework
- Firebase

Version Control And CI/CD:

- Git
- GitHub
- GitHub Actions
- GitHub Secrets

Work Experience

React native Developer NkTech

Apr 2023 - July 2023

Project Name: Restaurant check in checkout web app

- **Description:** Developed a full-stack application for managing customer check-ins and checkouts at a restaurant. Designed responsive and user-friendly interfaces using HTML, CSS, and JavaScript. Built a robust backend using Node.js, Express.js, and MySQL to handle data processing and API communication for real-time updates.
- **Tech Stack:** HTML, CSS, Bootstrap, JavaScript, Node.js, Express.js, MySQL, RESTful APIs

React Developer Matra Design Thinking and AI

Aug 2023 - Apr 2024

Project Name: I4invest

- **Description:** Worked on I4invest, a portfolio management web app for stock market trades that simplifies the tracking and optimization of portfolios. Users can easily import trade data from platforms like Zerodha, empowering them to make informed financial decisions and confidently achieve their long-term goals.
- **Tech Stack:** ReactJS, Tailwind CSS, Redux, React Hook Form, Tanstack Table, Axios.

Project Name: Ra Tool

- **Description:** Played a key role in developing Ra_Tool, a research analytics tool designed for stock market research analysts. Leveraging React, I built a dynamic and responsive user interface that enhances usability and performance. This tool enables users to create and manage baskets, facilitating sales to their clients and providing real-time insights to make informed decisions in the fast-paced stock market environment.
- **Tech Stack:** React, Redux, React Hook Form, Tailwind CSS, Axios.

Project Name: Haldiram Leak Package Tracker

- **Description:** Developed a tracking system for Haldiram to monitor leak package percentages on a daily, monthly, and yearly basis. Optimized system performance through server-side rendering using Next.js, ensuring faster load times and better user experience. Integrated Zustand and Shadcn for efficient state management and used Tailwind CSS for responsive design. Axios was employed for handling data requests and API integration.
- **Tech Stack:** Next.js, React Hook Form, Tailwind CSS, Zustand, Shadcn, Axios.

Project Name: BudgetICU

- **Description:** Initially contributed to the development of the frontend for BudgetICU, an innovative web application designed for remote ICU management. This platform connects hospitals in rural areas with specialized ICU doctors, enhancing accessibility and affordability of expert care. I'm proud to have played a key role in democratizing critical care and improving healthcare outcomes for underserved communities.
- **Tech Stack:** React, Redux, React Hook Form, Axios.

Full Stack Developer Holy Basil Ecosystem

Apr 2024 - Aug 2025

Project Name: BudgetICU

- **Description:**
Actively contributing to the development of BudgetICU, a patient monitoring and ICU management system. Initially joined as a frontend developer and transitioned into a full-stack role, delivering end-to-end features that improved system performance, security, and operational efficiency.
- **Key Contributions & Achievements:**
 - a. **Data Security:**
 - i. Implemented robust data protection using AES encryption and half Diffie-Hellman key exchange, ensuring secure transmission and storage of sensitive patient data.
 - b. **Communication System Overhaul:**
 - i. Replaced WhatsApp-based communication with an in-app chat and notification system using Firebase, improving data tracking and trend analysis between doctors and nurses.
 - ii. Developed WhatsApp automation messaging using WhatsApp Business Cloud API for real-time communication updates.
 - iii. Built a bulk WhatsApp messaging and automation system to manage patient lifecycle events—such as admission, discharge, and follow-up—using templated messages. This enabled hospitals to streamline patient tracking and improve outreach and marketing effectiveness.
 - c. **Scheduler & Alert System:**
 - i. Built a vital monitoring scheduler using Firebase API/V1 and Celery Beat, sending alerts to medical staff when patient vitals are not updated.
 - d. **Remote Monitoring Optimization:**
 - i. Resolved Dynamic DNS (DDNS) limitations for camera feed access using NO-IP, addressing static IP issues.
 - ii. Reduced data transfer costs by 80% by stopping live feeds for cameras without patient presence.
 - e. **Deployment & Cost Efficiency:**
 - i. Improved deployment pipeline using Toystack (Kubernetes + AWS), reducing server costs by 90%.
 - ii. Migrated from traditional AWS EC2 usage to a cost-effective, containerized infrastructure.
- **Tech Stack:**
 - Frontend: React, TailwindCSS, Redux, Axios, React Hook Form
 - Backend: Python Django Rest Framework, Firebase, MySQL
 - Containerization: Docker
 - CI/CD: GitHub Actions
 - Version Control: GitHub, Git

Education

BCA Ganeshi Lal Agarwal University Mathura (U.P)	12th Standard in Art Stream CBSE Board Delhi 2018 - 2019
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Certification

- <https://freecodecamp.org/certification / Rajesh7688/responsive-web-design>
- <https://freecodecamp.org/certification/ Rajesh7688/javascript-algorithms-and data-structures>

Languages

English, Hindi, Maithili (native)