

# L Rakesh Singh

**Mobile:** +91-9108671147 | **Email:** keztmckinnon@gmail.com |

**LinkedIn:** <https://www.linkedin.com/in/lrakeshsingh/> | **GitHub:** <https://github.com/Rakezt>

---

## Professional Summary

MERN Full-Stack Developer with **3 years** of hands-on MERN stack experience and 7+ years of combined technical and Healthcare domain expertise. Skilled at designing and delivering scalable, high-performance web applications, AI-driven solutions, 3D interactive dashboards, and real-time systems. Strong background in healthcare analytics and technical support with demonstrated ownership of end-to-end product delivery.

---

## Core Technologies & Skills

- **Languages & Front-End:** HTML, CSS, JavaScript, TypeScript, ReactJS, Redux, Context API, Material UI, Next.js
  - **Back-End:** Node.js, Express.js, REST APIs, Socket.IO, MongoDB, Postman
  - **AI Tools & Prompting:** Prompt Engineering, OpenAI APIs, AI-assisted development tools
  - **Cloud & Deployment:** AWS (EC2, S3), Netlify, Railway, Docker, CI/CD pipelines
  - **Tools & Collaboration:** Git, Trello, Jira, Office 365
- 

## Professional Experience

Senior Analyst (Full-Stack - MERN) | **R1 RCM** | Nov 2022 – Present

Architected and built a multi-tenant Learning Management System using React, Next.js, Node.js and MongoDB; implemented role-based access, course builder, and analytics dashboards—improving content delivery efficiency.

- Developed an AI-driven interviewer tool and real-time modules using Socket.IO, Redis, and Docker; designed RESTful APIs and integrated authentication and session management.
- Implemented automated CI/CD pipelines, deployment workflows, and monitoring on cloud platforms to ensure reliability and faster releases.
- Collaborated with product and design teams to define MVPs, prioritize features, and deliver iterative releases.

### Technical Support Analyst | **R1 RCM** | Mar 2020 – Nov 2022

- Provided application support for Millennium/Cerner Practice Management systems, handling incident resolution, root-cause analysis, and customer escalations.
- Coordinated with engineering teams on bug fixes, platform upgrades, and performance tuning; documented knowledge base articles and runbooks.

### Medical Billing Specialist | **Cerner Healthcare Solutions India** | Aug 2019 – Mar 2020

- Handled claim submissions and improved clean-claim rate from 80% to 92%.
- Trained analysts and streamlined billing operations for enhanced accuracy.

### Senior Process Executive | **Cognizant Technology Solutions** | Feb 2016 – Apr 2018

- Executed payer billing processes, maintaining 99% accuracy.
  - Reduced query turnaround time by 20% through streamlined communication.
- 

## Education

- **MCA**, GITAM University | 2019
  - **BCA**, Punjab Technical University | 2013
- 

## Projects & Responsibilities

### Learning Management System (Ed-Tech Client) | Full Stack Developer

- **Technologies:** Next.js, Redux, Express.js, Node.js, MongoDB, Material UI, AWS, CI/CD
- **Project:** Developed an LMS platform for an EdTech client, enabling course creation, enrollment, and certification tracking.
- **Responsibilities:**
  - Designed and implemented scalable front-end and back-end components.
  - Integrated analytics dashboards and role-based access.
  - Deployed using AWS with CI/CD pipelines for automated delivery.

### AI Interview Solution (Recruitment Client) | Full Stack Developer

- **Technologies:** Redux, TypeScript, Next.js, Express.js, Node.js, MongoDB, Socket.IO, OpenAI, Redis, Docker, AWS, CI/CD
- **Project:** Built an AI-driven interview platform for a recruitment client with automated evaluation and real-time collaboration.
- **Responsibilities:**
  - Architected real-time interview sessions using Socket.IO and Redis.
  - Integrated AI APIs for automated feedback and scoring.
  - Delivered secure authentication flows and scalable deployment using Docker.

## Loan Management System (FinTech Client) | Full Stack Developer

- **Technologies:** Next.js, Express.js, Node.js, MongoDB
- **Project:** Built a loan origination and management system for a financial services client.
- **Responsibilities:**
  - Implemented secure login and user workflows for loan applications.
  - Built APIs for loan processing and application status tracking.
  - Developed responsive UI for customer and admin dashboards.

## Healthcare Job Portal (Singapore Client) | Full Stack Developer

- **Technologies:** Node.js, Express.js, React.js, MongoDB
- **Project:** Delivered a global job portal for a healthcare startup connecting nurses and doctors worldwide.
- **Responsibilities:**
  - Built APIs for profile management, search, and job postings.
  - Developed responsive front-end features for user engagement.
  - Monitored and resolved production issues to improve stability.

## Hobby Projects

### Lets-Track-Expense-AI

Developed a full-stack expense management app with Next.js (featuring 3D animations for interactive data visualization), Node.js, Express, MongoDB, and Socket.IO; implemented JWT-secured authentication and AI-assisted expense summarization.

**Live Demo:** <https://lets-track-expenses-ai.netlify.app/>

### Rakezt-Bot

Built an AI-powered chat application using Material UI and JWT authentication, delivering real-time chat with markdown support and persistent user history.

**Live Demo:** <https://rakezt-chatbot.netlify.app/login>

### Live Poller

Created a real-time polling platform with React frontend and WebSockets for instant sync and live results.

**Live Demo:** <https://live-poller.netlify.app>