Rajat Kumar Sharma

Software Engineer

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💼 EXPERIENCE

Software Development Engineer, Buddi.Ai 🔗   05-2021 – present | Chennai, India

- **Multi-Factor Authentication System:** Designed, implemented, and **dockerized** an MFA system to enhance security in applications beyond regular login, utilizing **TOTP**, **HOTP** algorithms, and **email OTP generation** (Full-Time).
- **Revenue Cycle Management System:** Enhanced a Healthcare RCM system by incorporating **React & Kendo components**, integrating **RESTful APIs**, and **managing state** with **Redux**, achieved 70% automation, ensured 95%+ claim accuracy, streamlined billing, reduced coding costs, and ensured security and scalability (Full-Time).
- **Healthcare Workflow Systems:** Implemented WMS(s) with **Play-Scala microservices** and **Angular components** for SMEs to efficiently prepare for client demos, audit medical charts, and export results within 3 to 12 hours (Full-Time).
- **Candidate Assessment Platform:** Redesigned a platform from scratch, incorporating **Angular components**, **Play-Scala microservices**, and **Redux state management** to enable HR to identify potential candidates and save the company $3000+ in hiring expenses (Full-Time).
- **Demo Workflow Systems:** Created demo WMS(s) for Medical Coding using **Angular**, providing the company with a platform to demonstrate products and services to clients within tight deadlines (Full-Time).
- **Medical Annotation Tool:** Developed and **dockerized** an Annotation tool using **Angular (frontend)** and **Play-Scala Framework (backend)**, significantly reducing manual work for healthcare SMEs in medical records annotation and management by 80% (Full-Time & Internship).
- **Medical Coding Tool:** Enhanced a medical workflow solution using **Angular (frontend)** and **Play-Scala Framework (backend)**, implementing a rule-based recommendation system, change tracking functionality, and optimizing APIs for 50-60% faster response times (Internship).
- **Health Portfolio Application:** Constructed an application using the **Ionic Framework** integrated with **Angular** to store and record health conditions, contributing to the team securing 3rd place and winning a Rs 5K cash prize in an Internal R&D Hackathon (Internship).
- *Tech-Stack: Angular, React, Play Framework, RESTful APIs, SQL, PostgreSQL, Node.Js, Typescript, Javascript, Scala, Redux, Tailwind, Bootstrap, Material UI, Kendo, Python, Git, Docker.*

Data Analyst Intern, Forsk Technology 🔗   08-2020 – 10-2020 | Jaipur, India

- **Data Visualization Dashboards:** Developed two **dashboards** to gain insights into **Terrorism Activities** 🔗 and **Call Data Records** 🔗 , reducing reliance on Excel for the same tasks (Internship).
- *Teck-Stack: Python, Flask, Dash, Pandas.*

🎓 EDUCATION

Computer Science Engineering (B-Tech), Lovely Professional University   2018 – 2022 | Jalandhar, India

- CGPA: 7.88.
- Technical Head at Aashary (Student Organisation at LPU).

📂 PERSONAL PROJECTS

My Portfolio, ReactJs 🔗   02-2023 – present

- Crafted using **ReactJs**, **Bootstrap**, and **Font Awesome**, hosted on **GitHub Pages**.

Contact Manager, ReactJs 🔗   04-2020 – 05-2020

- Provides **CRUD** operations on contacts using **ReactJs** and **dummy API service**, JSONPlaceholder.

🧠 SKILLS

Frontend Developer
Angular | React | Redux | Ionic | Bootstrap | Tailwind CSS | Material UI | Kendo | HTML | CSS

Backend Developer
Play Framework | Rest APIs | SQL | JOOQ | Slick | PostgreSQL | NodeJs | Spring Boot

Programming Languages
C | C++ | Java | Javascript | Typescript | Python | Scala

Other
Git | Docker