SURAJ TRIPATHI

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Education

National Institute of Technology, Warangal	July 2019 - May 2023
Bachelor of Technology - Chemical Engineering	*Warangal, India*
Bal Niketan Senior Secondary School	July 2017 - May 2018
Intermediate, CBSE Board	*Varanasi, India*

Technical Skills

Languages: C#, JavaScript (ES5+6), C++, HTML
Frameworks/Libraries: .NET, React, Redux-Thunk, Node.js, Express.js, Bootstrap, Flexbox, CSS, SCSS, AntD
Message Brokers: RabbitMQ
Tools: VS Code, Git, GitHub, Mongoose
Testing Libraries: React Testing Library, JEST
Database: Firebase, MySQL, MongoDB, Elasticsearch, Redis
Log Monitoring: SigNoz

Experience

Leoforce	July 2023 – Present
Software Engineer	*Hyderabad, India*

Automated Candidate Insights – Job Performance Analytics
- Designed and developed a cron job using **C#**, **.NET Core**, and **Elasticsearch** to aggregate candidate responses, enabling real-time analytics on job engagement.
- Empowered Data Science teams to identify high-performing job criteria, driving smarter job posting strategies.

Job Usage Budget System – Enforcing Credit Limits
- Built a scalable credit reservation and deduction system with **Redis** caching and **MySQL**, enforcing per-job and per-recruiter spend caps.
- Utilized the **Decorator Design Pattern** to enhance Redis operations with additional behaviors like logging and error handling without modifying core logic.
- Provided admins dashboards to configure credit limits, preventing budget overruns and optimizing resource allocation.

Email and SMS Automation Platform
- Engineered an automation module with **RabbitMQ** and **REST APIs** that triggered personalized emails/SMS on candidate shortlisting, eliminating manual follow-ups.
- Enabled recruiters to use dynamic templates, increasing outreach efficiency and improving candidate engagement by **30%**.

Candidate Rejection Analysis System
- Implemented a system allowing recruiters to specify detailed reasons for candidate rejection, such as experience mismatch, skills gap, occupation mismatch, or candidate disinterest.
- Provided recruiters and admins with detailed insights into rejection reasons, facilitating better understanding and decision-making in future recruitment processes.
- Leveraged rejection data to improve the sourcing of relevant candidates, ensuring more accurate matches for job requirements.

Project

NetflixAI | *ReactJs, Javascript, Redux*
- Utilized Firebase for user authentication, Redux Toolkit for state management, and implemented secure sign-up, sign-in, sign-out, and profile update functionalities.
- Integrated OpenAI API and TMDB API to fetch and display personalized movie suggestions, including features like now playing movies, trailers, and search functionality.
- Designed a responsive interface with Tailwind CSS, featuring a header, login/sign-up forms, movie lists, and detailed movie cards.
- Implemented custom hooks, managed environment variables, and fixed bugs to ensure smooth navigation and functionality, such as user redirection and state updates.