

Rahul Singh

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EXPERIENCE

RealdevSquad | Open Source Contributor

Jan 2024 - Present

- Contributed towards UI enhancements and bug fixes for the task allocation platform and member's page using **React** and **JavaScript**, ensuring more robust user interactions and improved functionality for users.

Forcast | Software Developer

April 2023 - Aug 2023

- Developed role-specific User interfaces using **React**, **TypeScript**, and **Redux Toolkit**, for students and instructors registered on the platform. Developed admin panel to manage subscriptions and access for students.
- Developed and integrated reusable components for different Learning Items to display Image/Video/Pdf's/embedded links/Polls/MCQ's using **Tailwind CSS**, **Radix UI**, and **DaisyUI**, and maintained in **Storybook**.
- Integrated **Supabase** as backend solution to cut server response times for realtime updates. Concurrently, capitalized on its real-time features to integrate a **chat application** in the website, boosting platform interactivity.

Accenture | Senior Software Developer

April 2022 - Sept 2022

- Successfully developed a Customer Onboarding Platform using **React** and **JavaScript** for our client bank, resulting in over 36 customized forms. This effort led to a notable **20%** improvement in client data capture efficiency.
- Actively worked on development of a **Forms Management System** for our client, leveraging **React**, **JavaScript** and **Redux** to streamline form processing across 10+ business operations. The implementation achieved a significant **15%** faster turnaround time in internal workflows.

Accenture | Software Developer

Jan 2021 - April 2022

- Utilized **React** and **JavaScript** to create dynamic and user-friendly interfaces within the Forms Management System, ensuring the successful transition from legacy into new Forms Management System.

PROJECTS

YTDb | ReactJS, TypeScript, MongoDB, Node.js

 [Github link](#)

- Engineered a responsive Youtube **insights and recommendation web app**, delivering an intuitive user interface. Crafted a review system where users can provide ratings and write reviews for channels and videos.
- Developed an innovative **recommendation engine**, utilizing user's channel browsing history and preferences to suggest channels and videos, while effectively reducing **API costs** by maintaining a **persistent graph** that creates bidirectional links between channels and their recommendations, ensuring a user-centric content discovery experience.
- Strategically optimized YouTube API usage in a channel search feature by implementing a four-tiered approach. Firstly, Populating our database while the user searches for any channel and then Leveraging local database for quick, Preventing redundant searches by caching ineffective queries then Deduplicating identical queries to minimize API calls.
- Implemented **Auth0** for secure user authentication, reducing the time required for user login and registration processes, ensuring 0 security breaches.

Concordia Career Services Application | Javascript, ReactJS, Mongodb, Node.js

 [Github link](#)

- Lead the development of a web application with **React JS**, **JavaScript**, and **Tailwind CSS**. which enables its users to effectively manage their profile, build their resume or upload their own and apply to job postings.
- Developed user interface for companies to create job posting and publishing them for potential candidates as well capability to review the applicants and admin interface to manage job posting as well as users.

EDUCATION

Concordia University, Canada

Sep 2022 - Dec 2023

Masters in Software Engineering

Current GPA: 3.93/4.3

Guru Gobind Singh Indraprastha University, India

Aug 2016 - Aug 2020

Bachelor of Technology in Computer Science & Engineering

GPA: 8.2/10

SKILLS

Web Technologies & Programming Languages : TypeScript, JavaScript, CSS, HTML, JSON, Node.js, Java, Python
Frameworks & Libraries: React, Next.js, Node.js, Express.js, Material UI, Redux, Redux Toolkit, Tailwind CSS, Bootstrap, React Router, Radix, shadcn
Tools & Platforms: Git, Github, Docker, Postman, GitLab, JIRA, Adobe Experience Manager (AEM), Adobe Livecycle Designer, REST, VS Code, Adobe Content Management, RESTful API, SOAP, Axios
Methodologies & Skills: Agile (XP & TDD), Front-end, Back-end, Unit testing, Micro-services, CI/CD, SCRUM
Databases: MySQL, MongoDB, PostgreSQL, Supabase, Firebase