Ankesh Agrawal

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Professional Summary

Specialized Frontend Developer with 3+ years expertise in creating responsive, accessible, and high-performance user-centric web applications. Passionate about creating seamless user experiences through cutting-edge web technologies with best practices and design patterns.

Technical Skills

- **Frontend** : JavaScript (ES6+), React.js, Redux, HTML, CSS/SCSS, Next.js, TypeScript, GraphQL, MicroFrontend, Jest, SEO.
- **Backend**: Node.js, Express.js, TypeScript, REST APIs, DSA, Python, Docker, CI/CD Pipeline
- **Database**: MongoDB, MySQL, PostgreSQL
- **Soft Skills**: Stakeholder management, Team collaboration, Agile methodologies, Communication

Work Experience

- **HCLTech | Senior Analyst**   **Noida | Aug 2022 - present**
  - Designed and implemented **real time monitoring dashboard** using **WebSocket, Kafka** which streamlined **machine analysis,** allowing business to **detect failures** early and **prevent downtime.**
  - Reducing manual checks and **workload by 30%,** and saving the company **$100,000 annually** in labor costs.
  - Handled **concurrent updates** and utilized heavy calculations off the main UI thread using **Web Workers**.
  - Leveraged **Broadcast Channel API** to sync updates across tabs in real-time**.**
  - Pioneered **code optimization** reducing the main chunk size from **312KB to 192KB** using **Caching, Image optimization** which **resulted in 30% increase in MAU.**
  - **Migrated over 25% of old frontend codebase** from plain Vanilla JS to **Modern React and TypeScript components.**
  - **Worked on reducing the Wait Queue Time** of loading critical scripts from **300ms to 40ms** by Lazy loading the render blocking non critical resources.

- **Biz4Group| Full Stack developer**   **Jaipur | Jan 2022 - June**
  - Created a cross-platform mobile application using **Ionic React.**
  - Engineered reusable **UI components** (Sliders, Modals, Timers).
  - Utilized **IndexedDB** for larger storage and offline data storage.Leveraged.
  - Streamlined user authentication using JWT and Google OAuth, enhancing security.
  - **Integrated FCM Push Notifications and Social Logins, boosting user engagement.**

Projects

- **Social Media Application | Node.js, React.js, Express.js, Socket.io, MongoDB**   **Link**
  - A social media app where user can have a **real-time chat** with other **users, create like comment and reply on posts.**
  - Developed a social media platform with real-time chat, multimedia sharing, and notifications, enhancing user interactivity with real-time message acknowledgement and multimedia support.

- **Image Editor | Node.js, React.js, Redux, Express.js, Cloudinary, MongoDB**   **Link**
  - A **web-based design tool** used to create visually appealing **graphics, posters, and other visual content**.
  - Built a user-friendly graphic design **tool with customizable templates, drag-and-drop functionality,** and **advanced design elements,** enabling users to create visuals easily

Education

Poornima College of Engineering   Jaipur, India
Bachelor of Technology (IT)   **Aug 2018 - Jun 2022**

Achievements & Certifications

- Solved over **300 DSA problems** collectively on **LeetCode, GFG**
- **Club Head,** Poornima College of Engineering **2018-2020**
- University of Washington **Machine Learning Specialization** | Coursera   **Link**