

# Jadeja Jaipal Singh

Portfolio: [jaipaljadeja.com](http://jaipaljadeja.com)

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## SKILLS SUMMARY

- **Languages/Runtime:** JavaScript, Typescript, Python, C++, Node.js, JAVA, SQL, Bash, HTML, CSS
- **Frameworks/Libraries:** Next.js, React.js, Redux, React-Query, TailwindCSS, SCSS, Nest.js, Express.js
- **Others:** Self-Hosting, Docker, GIT, MongoDB, PostgreSQL, Nginx, Linux, AWS, Serverless, GCP, OCI

## EXPERIENCE

- **Quriverse** Bengaluru, Karnataka  
*Founding Engineer (Internship + Full-time)* April 2022 - Jan 2024
  - **Ownership:** Built and Scaled Entire Frontend from ground 0 to 10K+ Users.
  - **Virtualized Rendering:** Improved Chat Performance by 80% with rendering only the messages within view-port and bi-directional endless scrolling.
  - **API Caching & Memoization:** Reduced API Calls by 40% with self implementation of Caching System in Redux.
  - **SSE Chat System:** Developed a dynamic many-to-many chatting system using SSE (Server Sent Events), With a bench-mark of real-time communication between 500+ users simultaneously in a single chat.
  - **Media & Content Delivery:** Reduced unnecessary bandwidth usage by 66% with optimized media delivery and playback platform-wide, significantly improving performance on mobile devices.
  - **PWA & Notifications:** Added Service Workers to give support of PWA and Notifications using Firebase FCM which increased DAU by 35%.
  - **Analytics and Insights:** Seamlessly Incorporated Mix-panel and Sentry for error monitoring and data-driven insights.
  - **Architecture:** Used Clean Architecture Principles thus business logic was decoupled from any specific frameworks or libraries, while integrating Redux for state management.
  - **Framework:** Used Latest Next.js 13's new (app) dir. combining server-side and client-side rendering techniques and engineered responsive designs using Tailwind CSS, incorporating user-selected themes.
  - **Authentication:** Implemented In-House Password-Less solution using OAuth & OTP based authentication with social logins.
- **Msquare Technologies** Remote (Surat, Gujarat)  
*UI/UX Designer (Internship)* June 2021 - July 2021
  - **Design and Requirements:** Crafted intuitive UI/UX in Figma for a Bill Management Android App, harmonizing aesthetics with functionality as per requirements
  - **Collaboration:** Seamless collaboration with the dev team, bridging design concepts with development needs for a cohesive project workflow.
  - **Testing:** Optimized user experience through rigorous testing and iterative refinement based on valuable user feedback

## PROJECTS

- **Pasteez - Create and Share beautiful code snippets with ease (Web Development):** A Web app for secure code snippet sharing with automatic syntax highlighting, AES256 encryption, and Base64 encoding. Implemented a feature for exporting code snippets as images with aesthetic backgrounds, complemented by smooth routing animations using Framer-Motion. Tech: React.js, FramerMotion, MongoDB, Express.js (November '21)
- **Iconents - Figma SVG Icons to JSX Converter (Utility Tool):** Created a Versatile SVG to JSX converter with customizable templates, optimizing SVGs for reduced file sizes and faster rendering. Automated fetching from Figma boards simplifies SVG icon retrieval and JSX conversion, complemented by automatic index file generation for an efficient workflow. Tech: Typescript, Node.js (August '23)
- **CinemaCrate - Movie Database (Web Development):** Integrated TMDB API to build a comprehensive movie and TV show database, showcasing proficiency in API integration with a clean and user-friendly interface from scratch. Tech: HTML, CSS, Javascript (November '20)

## EDUCATION

- **Charotar University of Science and Technology** Anand, Gujarat, India  
*Bachelor of Technology - Computer Engineering; CGPA: 9.84* July 2019 - June 2023  
*Courses:* Operating Systems, Data Structures, Analysis Of Algorithms, Artificial Intelligence, Cloud, Networking, Databases

## HONORS AND AWARDS

- Awarded Certificate of Merit in Third Semester 2020-21 for securing 3rd Rank

## VOLUNTEER EXPERIENCE

- **Graphic Designer at Google Developer Student Clubs Charusat** Anand, India  
*Created Posters and Videos for Social Handles* Aug 2021 - Jul 2022
- **Event Organizer at CodePie 2.0 ft. CodeChef** Anand, India  
*Hosted a competitive programming competition to promote a coding culture at our university.* Sept 2023 - Oct 2023