Chirag Jain

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Education

Chitkara University	2019 - 2023
Bachelor of Engineering in Computer Science (CGPA: 9.7 / 10.0)	*Punjab, India*

Experience

Verdis.ai	April 2023 - Present
Product Developer	*Gurugram, Haryana*

- **Promoted to Frontend Team Lead**; overseeing a team of developers and guiding the successful execution of frontend projects.
- Developed and implemented an architectural plan to migrate existing frontend code **from AngularJS to a modern tech stack based on React and TypeScript.**
- Revamped existing microservices, resulting in a **15% reduction in server costs and downtime**.
- Developed a comprehensive **microservice** and GUI for an automated Management Information System (MIS) on mail, improving data management and streamlining communication processes.
- Introduced a **Redis based distributed locking mechanism**, addressing poller issues from multiple instances, **ensuring system reliability** and streamlined concurrent processes.
- Introduced Unit Testing processes with Chai and Mocha, **increasing test coverage by 30%** and **reducing post-release defects by 25%**.
- Authored design documentation that included **HLD, LLD & wire frame** approaches of the solution.

Verdis.ai	July 2022 - March 2023
Product Developer Intern	*Gurugram, Haryana*

- Created new modules; **Implemented lazy loading & Optimized** the existing frontend code base, resulting in a **significant improvement** of website rendering time **by 5 seconds**.
- Revamped existing email templates using MJML, ensuring a consistent and streamlined appearance across all email clients for enhanced visual appeal and improved user experience.
- Enhanced an existing **NLP microservice** by creating new queries and seamlessly integrating it with the **Dialogflow API**, transforming it into a conversational chatbot.
- **Implemented CSS Modules** in the existing frontend code base, boosting developer efficiency by enhancing code maintainability and readability, and promoting a modular styling approach.

Projects

Gamehub | *Next.js, React, TypeScript, MySQL, Tailwind CSS, Prisma*

- Designed and implemented a feature-rich **Live Streaming Platform** supporting RTMP and WHIP protocols, with a focus on real-time interactions.
- Implemented syncing mechanisms through **Webhooks** for real-time updates, enabling seamless integration of user information and live status data into the database.
- Features a comprehensive user system with **Google OAuth**, enabling secure access and interaction with features such as following, blocking, and real-time chat.
- Utilized **MySQL along with Prisma ORM** for efficient data management, ensuring smooth scalability and responsiveness.
- Github | Live

E Commerce Store | *ReactJS, Redux, Express.js, MongoDB, Bootstrap*

- Designed and developed a user-friendly **E-Commerce** website where users can order, pay, manage and track their orders.
- Features a separate admin screen for admin controls of the store **(CRUD orders, products & users)**.
- Integrated **payment gateway** with PayPal; used **bcrypt & JWT Tokens** for user authentication and authorization.
- Github | Live

Technical Skills

Languages: Java, JavaScript, TypeScript, Bash
Frameworks: React, Next.js, Redux Toolkit, Tailwind CSS, Express.js, AngularJS
Databases: MongoDB, MySQL, Firebase
Developer Tools: Docker, Prisma, Git