

Vinay Sarda

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EXPERIENCE

• Infybytes Ai Labs Pvt. Ltd.

Software Development Engineer - I

Aug 2023 - Present

- Achieved a **65%** reduction in initial landing page load time (**from 3s to 1s**) through bundle optimization, API refinement, prefetching strategies, and advanced code-splitting techniques in **Next.js**.
- Built a **Figma plugin** from scratch to create diverse interactions within Figma frames, leveraging **Pixi.js** in **Next.js** for efficient rendering of Figma JSON, enabling direct translation of designs into code.
- Revamped Figma with a **component-driven** workflow inspired by **React**, slashing activity development time by **30-40%**.
- Developed a **record feature** for a Figma plugin, capturing Figma changes and converting them into executable interaction flows, resulting in an **80%** reduction in flow creation time.
- Designed and implemented the algorithm to dynamically generate audio from **Eleven Labs** based on user input, ensuring minimal waiting time for users.

Full-stack Developer Intern

Feb 2023 - Aug 2023

- Streamlined API response time, reducing latency from **700ms to 200ms**, leading to a **71%** efficiency boost and enhanced user experience by implementing caching using **Redis**.
- Integrated **Razorpay** payment gateway using **Node.js**, **Express.js** & webhooks, ensuring secure and seamless online transactions.
- Optimized **MongoDB** & **GraphQL** queries across APIs in **Node.js**, minimizing resource consumption and improving data retrieval efficiency.
- Implemented pagination in **Kotlin** for efficient data loading, enhancing the scalability and performance of The Homework App

• Wolfox Services Pvt. Ltd.

Frontend Intern

Dec 2021 - Jan 2022

- Developed and implemented interactive UI components using **React** & **Bootstrap** including carousels, dropdown menus, and modal windows, to enhance the user experience of a vendor machine interface
- Implemented a user authentication system with **JWT** to allow registered users to track their purchase history

SKILLS SUMMARY

- **Languages:** Javascript, C/C++, Java, SQL, GraphQL, Typescript
- **Frontend:** React, Next.js, HTML, CSS, Tailwind Css, Bootstrap, Antd
- **Backend:** Node.js, Express.js, GraphQL, Hasura
- **Database:** MongoDB, MySQL, PostgreSQL, Redis
- **Tools:** Docker, Git, PostgreSQL, MySQL, Android Studio, SQL Server

PROJECTS

• Socialize ([code](#))

[Link to Demo](#)

- Proficient in leveraging **React.js**, **Material UI**, **CSS**, and **Redux** to design and develop engaging user interfaces for Socialize, a dynamic social media application. Applied responsive design principles to ensure optimal performance across various devices, delivering a seamless user experience.
- Implemented RESTful APIs in **Node.js**, **Express.js** to facilitate smooth communication between the frontend and backend components, integrating **MongoDB** for efficient data storage and retrieval.
- Integrated **real-time** communication capabilities using **Socket.io**, enabling live updates within Socialize. Engineered features for image and video sharing utilizing **Firebase storage**, ensuring reliable content delivery to users.

• Real-time Tic-Tac-Toe ([code](#))

[Link to Demo](#)

- Crafted an engaging and responsive user interface leveraging **React**, **CSS**, and **Redux**, providing players with an intuitive and immersive real-time Tic Tac Toe gaming experience that seamlessly adapts to various devices and screen sizes.
- Engineered **Socket.io** integration to establish instantaneous bidirectional communication between the client and server layers, enabling swift updates and synchronization of game state modifications in **real-time**.
- Designed backend using **Node.js** and **Express.js**, combined with **MongoDB** for smooth data management. This setup supports multiple players simultaneously, ensuring fast performance and scalability while keeping the game experience stable and reliable.

EDUCATION

• Sanjay Ghodawat University

Kohapur, Maharashtra, India

B. Tech (Computer Science and Engineering) CGPA: 9.52

July 2019 - June 2023

ACHIEVEMENTS

- Solved **450+** problems on [GFG](#) & **350+** problems on [Leetcode](#)
- Contest rating of **1769** in live Leetcode contests with highest rank of **460/24853** in the **Leetcode contest 306**
- Achieved **Gold** medal in B.Tech program