

Rahul Dogra

Experienced software engineer with a focus on building performant, engaging & accessible digital experiences

Relevant Experience

Senior Full Stack Developer • **nSpireAi** Jan 2023 — Current

- Implemented asynchronous communication protocols, enabling the front-end application to display the latest AI-processed data in real-time, enhancing user experience.
- Enhanced the core functionality of the AI product, particularly focusing on the demanding aspects of multimedia.
- Successfully optimized the web application's product bundle size, achieving a remarkable reduction by 91%, from the initial 65MB to a highly efficient 5.6MB, significantly improving performance and user experience.
- Introduced Sentry for error tracking in the front end, enhancing the team's ability to track and resolve bugs promptly.
- Enhanced the service worker, contributing to improved overall UX.
- Played a key role in cross-functional teamwork, contributing to collaborative decision-making processes for product enhancements.
- Key Skills: React, Webpack, CSS, Python, Django,

Full Stack Developer • **Quartz** Oct 2022 — Jan 2023

- Spearheaded the development of a web application as the project's initial developer.
- Proficient in both React and Go, developed the front-end and back-end.
- Played a key role in UI/UX design, making informed decisions and ensuring a seamless user experience without dedicated designers.
- Direct collaboration with the company owner, actively involved in both front-end and back-end decision-making processes.
- Key Skills: React, Go, Gofiber, Vite, MongoDB

Full Stack Developer • **3 Minds Digital** Oct 2021 — June 2022

- Build, style, and ship high-quality websites, design systems, web games, and cross-platform digital experiences for diverse clients using technologies such as JavaScript, Typescript, React, Next, Node, SCSS, and more.
- Work alongside product & project managers, designers, and other engineers to transform creative concepts into refined digital experiences at an agile (2-week) cadence.
- Spearhead department-wide accessibility initiatives including creating documentation for best practices, establishing a standard accessibility checklist for developers, and facilitating knowledge shares.
- Successfully engineered and integrated a web-based game using the Phaser framework, showcasing quick learning in an unfamiliar technology.
- Key Skills: React, Next, Node, Phaser, MySQL, Webpack

Web Developer • **Fourth Signal** Mar 2021 — Sep 2021

- Engineered and improved major features of Fourth Signal customer-facing web solutions using ES6, HighCharts, Angular, React, PHP, and CSS
- Proposed and implemented scalable application migration to solve issues identified with cloud services and applications responsible for treasury and risk management.
- Collaborated with senior management and other developers to ensure thoughtful and consistent user experiences across Fourth Signal's web apps.
- Lead the development and architecture of technical tools like application migrations, REST APIs, and continuous integration pipelines to fulfill business requirements.
- Key Skills: React, Node, MySQL, AngularJs, PHP, Jenkins, Web Security.

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Skills

Programming Languages

JavaScript (ES2015+), TypeScript, HTML, CSS, Sass, GraphQL, Go, Python, PHP

Libraries & Frameworks

React, Redux, Next, Svelte, Zustand, Xstate, Node, Tailwind, Go-fiber, Gin, Django

Tools & Platforms

Git, GitHub, Netlify, Vercel, AWS, Firebase, Storybook, Docker, Webpack, Jira, Figma

Testing Utilities

Lighthouse, Postman, Playwright, Jest, Cypress, Storybook, Go-testing, Redux Devtools

Selected Projects

Coin Watch

Built an application to watch market capitalization and trends of cryptocurrencies and exchanges using React, Next, and Tailwind

Vrc - Video Recorder

Developed a React-based in-browser video recorder featuring a well-organized state management system utilizing an infinite state machine created with Xstate.

Browservc - Video Converter

A vanilla JavaScript progressive web application with full offline support for converting WebM to MP4 in the browser using FFmpeg web assembly.

rahuldogra.dev

Personal website built with Astro and Tailwind

Education

Mumbai University

Bachelor of Engineering in Computer Engineering

Interests

Web accessibility, web animation, Stocks, Coffee, and Dota 2