

Dhairya Rathod

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Software Engineer and individual contributor with expertise in front-end and back-end technologies creating robust and user-centric applications for seamless end-to-end solutions.

Experience

NielsenIQ, Mid Engineer (Full Stack)

Jan 2024 - Present

- Jointly **rearchitected key UI module** of an app, transforming a legacy monolith into a modular, performant React + TypeScript architecture—reducing tech debt and enabling faster feature delivery across the team.
- Delivered complex, data-driven UI features with a focus on performance, accessibility, and scalability—resulting in a **20% faster load time** and significantly improved user experience for thousands of users.
- Led the enhancement of the Data on Demand (DoD) a core module of the app, by delivering a dynamic multi-step form with tree-view selectors and real-time previews, enabling custom Excel exports and **reducing support tickets by 15% through continuous performance improvements and feature expansion**.
- Implemented saved selection and **scheduling features** in the DoD module, enabling users to automate recurring data reports and reuse configurations, while leveraging React Context API for efficient step-wise state management — resulting in **20%** increase in user retention compared to the previous quarter
- Built a real-time error logger for internal teams, which **reduced backend debugging time by 20%**, by aggregating errors from distributed services in a central UI.
- Built internal tools for the product team**, including a change management system to sync configuration data across environments and a metadata manager to define UI behaviors (labels, tooltips, placeholders) — **cutting deployment prep time by 50% and reducing engineering dependency**.

ViitorCloud Technologies, Software Engineer (Frontend)

Nov 2022 - Dec 2023

- Redesigned and **optimized two core modules** using scalable, component-based design, improving maintainability and team velocity.
- Built a Zara-UI, a reusable **UI library** adopted across 7+ modules, reducing frontend dev time by **40%** and ensuring design consistency.
- Refactored and fine-tuned the Timer Event Scheduler, improving page load performance by **15%** and enhancing UX across high-traffic components.
- Spearheaded a cross-functional SQL Query Interface for QA and backend teams to efficiently **execute SQL queries** in specific environments, reducing debugging time and increasing delivery velocity.
- Co-developed a scalable UI component library (10+ reusable elements) alongside the UI architect, improving design consistency and accelerating frontend delivery by **40%**.

Bacancy Technology, Software Engineer (Frontend)

Aug 2022 - Oct 2022

- Delivered scalable React solutions for a client applications in e-commerce domain, contributing to 15% improvement in client retention.
- Optimized codebase through regular refactoring and performance tuning, resulting in improved application speed, scalability, and maintainability across client-facing websites.
- Collaborated within agile teams to deliver new features, enhance user experience, and ensure timely releases.

Crest Infotech, Sr. ReactJs Developer

Mar 2019 - July 2022

- Improved page performance by **optimizing bundle sizes** and implementing **code-splitting** in selected project, achieving a **25% faster load time** across key pages.
- Led the full-stack development of a **real-time tournament module**, delivering an immersive and interactive gaming experience with high engagement rates.
- Implemented a dynamic bracket visualization system, allowing users to seamlessly track matchups, progress, and outcomes in real time.
- Integrated **socket.io** for live updates, ensuring instant broadcasting of scores and game states to both players and spectators without page reloads.
- Engineered and enhanced the payment UI layer, ensuring frictionless and secure transactions with high performance under load.
- Developed a robust design system using **Storybook**, facilitating **faster prototyping and alignment** across cross-functional teams.
- Collaborated on the successful **integration of React UI components into an Angular** application, achieving a cohesive and efficient user interface across the platform.
- Collaborated with software architects to implement a design system that enhanced UI consistency across products, while also mentoring junior developers and leading frontend efforts on key projects.

Skills

Programming Language	JavaScript, TypeScript, Java
Web Technologies	Proficient in React, Redux Toolkit, NodeJs, ExpressJs, GraphQL, Rest APIs, Sass, HTML, CSS
Database	Postgres, MySQL, MongoDB, Firebase
Tools & Technologies	Working knowledge of Docker, Git, npm (including private npm registry), Agile Methodology, TDD, Jira

Education

Bachelor of Engineering in Computer Engineering

2014 - 2018