

MELWIN FERNANDEZ

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Personal Summary

Front-End Developer with four years of experience in React.js and Next.js, focusing on performance optimization and responsive UI design. Successfully delivered production-ready applications and led migrations to server-side rendering (SSR). Expertise in Redux, Zustand, REST API integration, and modern styling with Tailwind CSS, emphasizing usability and user-centered development.

Skills

- JavaScript libraries: React.js
- Frameworks: Next.js
- State management: Redux and Zustand
- Form handling: React Hook Form and Zod
- Styling and layout: Tailwind CSS and responsive design
- Mobile development: React Native
- API integration: REST APIs and GraphQL (Apollo Client)
- Testing tools: Jest and React Testing Library
- Development tools: Git, Redux DevTools, and VS Code
- Soft skills: Analytical thinking and problem-solving

Experience

Next.js Developer

September 2024 to Current

Tata Consultancy Services (TCS) — Kochi, IN

- Managed the development of a scalable flight booking web application, enhancing user interactions and overall performance.
- Integrated a secure payment gateway by following official documentation and best practices.
- Implemented Redux for streamlined state management, improving data flow and application maintainability.
- Leveraged react-hook-form with Zod for robust form validation and a seamless user experience.
- Participated in the migration to Next.js, boosting server-side rendering performance, and SEO capabilities.
- Upskilled rapidly in Next.js to contribute to front-end development and architectural decisions.
- Integrated REST APIs to enable dynamic content delivery and smooth data interactions.
- Integrated GraphQL APIs using Apollo Client for efficient, declarative data fetching, and caching.
- Supported rapid bug resolution efforts, enabling the team to meet aggressive delivery timelines with minimal setbacks.
- Utilized Tailwind CSS to build clean, responsive user interfaces, consistent with the design system.

React Developer

May 2022 to September 2024

Tata Consultancy Services (TCS) — Kochi, IN

- Developed Forward View Calendar enabling task visualization, drag-and-drop updates, and detailed view access.
- Designed and implemented responsive interfaces for multiple modules using Figma wireframes to enhance usability.
- Led end-to-end delivery of JIRA stories, contributing to effort estimation and sprint planning activities.
- Integrated ServiceNow and Newgen APIs into frontend, collaborating with backend teams for seamless functionality.
- Deployed AI-powered chat feature within community section, increasing user engagement significantly.
- Implemented offline support, ensuring key application features functioned without internet connectivity.
- Ensured design consistency across modules to improve user experience.
- Conducted requirement analysis to align project deliverables with stakeholder expectations.

Angular Developer

December 2021 to May 2022

Tata Consultancy Services (TCS) — KOCHI, IN

- Developed and maintained healthcare web application for technician tool ordering across web and mobile

platforms.

- Integrated major forms to ensure smooth data flow and enhance user interaction.
- Consumed REST APIs to dynamically fetch and submit data, optimizing content display.
- Added barcode scanner support in input fields to allow quick insertion of product details by scanning machine barcodes.
- Identified and resolved critical bugs, expediting deployment process.
- Collaborated with backend teams to ensure seamless integration and optimal API performance.
- Applied responsive design techniques using CSS to improve usability on various devices.
- Enhanced UI/UX to boost user satisfaction and accessibility.

Education

B. TECH : May 2021

Christ College of Engineering And Technology — Pondicherry

GPA: 7.05

Languages

Malayalam: First Language

English:

C2

Tamil:

B1

Proficient (C2)

Intermediate (B1)

Portfolio

- <https://melwin3210.github.io/portfolio/>

LinkedIn

- <https://www.linkedin.com/in/melwinfernandez/>

Certifications

- React - The Complete Guide 2025 (incl. Next.js, Redux) - Udemy
- React Native - The Practical Guide [2024] - Udemy