

Harsh Bhardwaj

Software Developer

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Profile summary

Frontend Developer with nearly 4 years of experience in React.js, Next.js, TypeScript, Redux, and Micro-Frontend architecture. Experienced in building scalable, high-performance web applications and writing unit and integration test cases using Jest. Hands-on experience integrating Generative AI tools and using GitHub Copilot to accelerate development, improve code quality, and generate test cases. Proven ability to handle multiple roles, collaborate with cross-functional teams, and deliver production-ready solutions in fast-paced agile environments.

Skills

HTML

CSS

React.js

Next.js

TypeScript

Node.js

Redux

Javascript

Micro Frontend

Webpack

Babel

Jest

React Testing Library

Restfull API

token based authentication

Lazy Loading

GIT

Ci/Cd

Agile

Responsive Design

Accessibility

Debugging

Code Review

Frontend Development

Redis

Azure

Work Experience

Software Developer — Omnie Solutions	Apr 2022 - Jan 2026
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- Developed and maintained enterprise-scale React.js and Next.js healthcare applications serving thousands of active users.
- Designed and implemented UI-based Micro-Frontend architecture, reducing build complexity and improving deployment time by 30%.
- Implemented multi-layer, token-based authentication and authorization for secure API access and frontend communication.
- Integrated RESTful APIs with proper error handling, authentication guards, and role-based access control.
- Collaborated with UI/UX designers to convert Figma designs into responsive, pixel-perfect user interfaces.
- Enhanced application performance by optimizing bundle size, implementing lazy loading and code splitting, resulting in 40% improvement in page load speed.
- Built reusable and scalable UI modules using Vite and TypeScript, accelerating development and enforcing consistent design patterns.
- Leveraged Generative AI tools such as GitHub Copilot to speed up feature development, refactor components, and generate optimized code.
- Wrote comprehensive unit and integration test cases using Jest and React Testing Library, achieving 95% code coverage.
- Actively participated in Agile ceremonies, including sprint planning, daily stand-ups, retrospectives, and demos.
- Conducted code reviews and mentored junior developers on React best practices, performance optimization, and clean code standards.

Education

Projects

Specialty Patient Platform (US Healthcare Domain)

Tech Stack: React.js, Next.js, TypeScript, Redux, Redux-Saga, MUI, CMS, Jest, Node.js, Azure App Configuration, GitHub Copilot

Developed a patient-facing healthcare application enabling **role-based specialty drug ordering** with dynamic drug lists and pricing. Implemented **state management using Redux and Redux-Saga** to handle complex asynchronous flows and API side effects. Integrated **RESTful APIs with token-based authentication** and used **Node.js** for request handling and middleware-level processing. Managed application configuration using **Azure App Configuration** and content using **CMS**. Worked on **micro-frontend architecture**, managing separate libraries for forms, common components, and icons, and built a custom **Web Component**. Improved **React UI performance** by optimizing state management, reducing unnecessary re-renders, and implementing **lazy loading and code splitting**. Used **GitHub Copilot (GenAI tools)** to accelerate development, refactoring, and test case generation.

Specialty Provider Portal (US Healthcare Domain)

Tech Stack: React.js, Next.js, TypeScript, Redux-Saga, MUI, CMS, Node.js, Azure App Configuration

Developed a provider-facing portal with **role-based access and permissions**, enabling different workflows per user type. Used **Redux-Saga** to manage complex asynchronous state and API coordination. Integrated **secure REST APIs** and handled request processing via **Node.js**. Fixed application-level **security vulnerabilities** by identifying issues and applying appropriate code and dependency updates. Upgraded the **main application and all related micro-frontend repositories from MUI 5 to MUI 6**, ensuring UI consistency and long-term maintainability. Built responsive and accessible UI components supporting multiple screen sizes and devices. Managed configurable content using **CMS** and environment values through **Azure App Configuration**.

Infusion Management Application (US Healthcare Domain)

Tech Stack: React.js, Next.js, TypeScript, Redux Toolkit, Thunk, MUI, CMS, Azure App Configuration

Worked on an infusion platform for **appointments status/history, order tracking, and order status/history**. Implemented **Redux Toolkit with Thunk** for efficient state and API handling. Integrated RESTful APIs with **API caching using Redis** for better performance. **Built a reusable Web Component** for shared UI functionality. Implemented **form submissions to Azure containers** for secure and scalable processing. Optimized UI responsiveness and component rendering. Added **unit and integration tests using Jest** and leveraged **GitHub Copilot** to accelerate development and test case creation.

CAC (Customer Access Control) Platform

Tech Stack: React.js, TypeScript, Redux Toolkit, Thunk, Jest

Worked on an admin console for **user management and data operations**, including create, update, and delete workflows. Implemented **role-based access control** and managed application state using **Redux Toolkit with Thunk**. **Trained junior developers and conducted code reviews** to ensure code quality and maintain best practices. Actively resolved production issues and maintained clean, maintainable code. Leveraged **GitHub Copilot** to improve development efficiency and testing.