AJAY JAYAPALAN

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PROFESSIONAL SUMMARY

React Developer with **4 years of experience** in building modern, high-performance web applications. Skilled in React.js, TypeScript, JavaScript, HTML, and CSS. Strong focus on creating reusable UI components, improving user experience, ensuring responsive design, and maintaining accessibility standards. Experienced in optimizing application performance, reducing load times, and enhancing component efficiency. Adept at working in Agile teams, collaborating with designers and backend developers to deliver user-friendly products. Seeking frontend roles in **UAE** with a focus on React and modern web technologies.

TECHNICAL SKILLS

Frontend Technologies: React.js, JavaScript (ES6+), TypeScript, Next.js, HTML5, CSS3, SCSS, MUI, Styled Components, Tailwind CSS, React Native, Three.js, d3.js, SSR, SSG, CSR

State Management: Redux, Redux Toolkit, Context API, Rematch, Zustand

Performance Optimization: Lazy Loading, Memoization, Code Splitting, Tree Shaking

Build & Tooling: Docker, Webpack, Vite, Rollup, Babel, NPM, Yarn

Testing & Quality: Jest, React Testing Library, Unit & Integration Testing Principles

API & Backend Integration: Node.js, REST APIs, GraphQL, Express.js, MongoDB, SQL

CI/CD & Version Control: Git, GitHub, GitLab (basic), GitHub Actions (familiar)

UX & Design: Figma to Code, Responsive Design, Accessibility (WCAG), Framer Motion, React Spring

Collaboration & Methodologies: Agile, Scrum, Jira, Slack, Code Reviews

Cloud Awareness: Familiarity with AWS/GCP platforms

PROFESSIONAL EXPERIENCE

React.js Developer
Toobler Technologies ~ IOT, Digitaltwin

July 2022 - August 2025

- Developed and maintained scalable, reusable React, Next.js and TypeScript component libraries, enabling faster development and consistent UI across multiple enterprise applications.
- Engineered dynamic viewers for various data formats (IFC, SVG, 3D models), enabling seamless visualization across complex datasets within React-based enterprise tools while ensuring WCAG.
- Optimized frontend performance by implementing advanced techniques such as memoization, lazy loading, and tree shaking, improving page responsiveness by up to 60% and aligning with Core Web Vitals goals.
- Built a reusable UI package using Rollup to bundle custom components, documented via Storybook for team reuse, ensuring seamless integration and reducing duplication across projects.
- Enhanced user interfaces with real-time updates, error handling, and secure data flows (XSS/CSRF prevention), improving interactivity and safeguarding applications.
- Implemented unit tests with Jest and React Testing Library, strengthening component reliability and reducing regressions during Agile sprints.
- Applied clean code principles, SOLID design patterns, and scalable architecture practices to maintain a maintainable, extendable, and production-ready codebase.
- Collaborated on backend integration workflows and implemented tools in Python and JavaScript to automate model conversion and accelerate 3D content delivery pipelines.

Junior React.js Developer *Sept 2021 - July 2022*
Mykare Health Technologies, KSUM Kalamassery

- Designed a scalable frontend architecture using JSON-driven configuration to enable dynamic creation of new pages and React routes, allowing seamless content updates without additional development overhead.
- Built and launched a responsive multi-city healthcare booking platform using React and Next.js, delivering the first version in one week, while optimizing for SEO and performance budgets.
- Developed the MyKare Praktice mobile app using React Native, implementing reusable UI components and navigation optimizations for smooth cross-platform performance.
- Created a real-time video consultation app using WebRTC (or generic term: real-time communication), enabling live interactions between doctors and patients, including prescription support—enhancing user convenience and trust.
- Built and integrated RESTful APIs using Express.js and MongoDB, contributing to the full-stack development and ensuring seamless data flow between front-end and back-end systems.
- Tackled complex UI challenges by developing reusable React components and shared UI libraries, enhancing consistency, reducing redundancy, and improving user experience across both web and mobile platforms.

Side Projects & Freelance works *Mar 2020*

- Built a TikTok-style short video application using React Native, implementing scroll-based reel navigation and interactive UI components to enhance user engagement and mobile performance.
- Developed a personal finance tracker app in React Native, enabling users to monitor expenses with a clean, user-friendly interface and persistent local data handling.
- Automated routine web tasks using Puppeteer.js to boost productivity, including login flows, data scraping, and browser-based workflow automation, showcasing initiative in process optimization.
- Designed and implemented a full-stack College Event Management System using Node.js, Express.js, MongoDB, and EJS in an MVC architecture, streamlining event registration and communication between students and administrators.

EDUCATION

Bachelor in Computer Science (2018 - 2021)
Mahatma Gandhi University
9th University Rank Holder.

ACHIEVEMENTS

- University Rank Holder
- 2023 Budding Star Award, Toobler Technologies
- Lead React Developer on IOT Project
- Built complex 3D web Application using React.js
- Created my portfolio website in 1 week.

CERTIFICATIONS

- React.js Expert - Shape AI
- Web Development Bootcamp (MERN) - Udemy
- Responsive Web Design - FreeCodeCamp
- UI/UX Expert - Avodha

LANGUAGES

- English
- Malayalam
- Hindi
- Tamil