

Ajay Kumar Verma

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SUMMARY

I am a skilled Software Engineer with a strong foundation in frontend development using ReactJS, NextJS, Angular, and JavaScript, combined with experience in data handling, system optimization, and workflow improvement. I have contributed to migrating legacy systems, implementing microservices, and enhancing platform performance and security. In addition to my technical skills, I bring strong written communication, attention to detail, and collaborative problem-solving abilities—enabling me to thrive in both technical and analyst roles. I'm committed to delivering scalable solutions and adding value in fast-paced, process-driven environments.

EDUCATION

- **Feroze Gandhi Institute of Engineering & Technology**
Bachelor of Technology - Computer Science; GPA: 7.29

Raebareli, India
July 2018 - June 2022

SKILLS SUMMARY

- **Languages:** JavaScript (ES6+), TypeScript, HTML5, CSS3, C++
- **Frameworks & Libraries :** React.js, Next.js, NodeJS, PostgreSQL, Redux, Context API, React Hooks, Material UI, Tailwind CSS, RESTful APIs, Git, Github, Styled Components
- **Expertise Areas:** Component-driven UI architecture, accessibility, performance tuning, responsive design

PROFESSIONAL EXPERIENCE

- **Troop Comforts Limited** Full Time, Contractual
July 2024 - Present
 - **Frontend Developer (Full-time)**: Leading frontend development of the MIS Posrtal Dashboard, reporting directly to the Project Manager.
 - **Live Production Projects**: Working on MIS Portal Dashboard — handling UI enhancements, bug fixes, and management-requested new features.
 - **Reusable Component Development**: Developed modular, reusable components in React.js and Next.js using TypeScript and Context API.
 - **Authentication Integration**: Integrated Auth0 authentication for secure login and role-based access control.
 - **API & Data Handling**: Consumed RESTful APIs and Context API endpoints to efficiently display dynamic data.
 - **UI/UX & Accessibility**: Ensured WCAG accessibility compliance, responsive layouts, and cross-browser consistency using Material UI, and Tailwind CSS.
 - **Performance Optimization**: Improved frontend performance through lazy loading, API caching, and code-splitting techniques.
- **Wipro Limited** Full Time
July 2022 - July 2024
 - **Project Engineer**: Designed and implemented React.js/Next.js UI modules using TypeScript and Redux.
 - **API Integrations**: Integrated REST APIs to enhance real-time UI data flows.
 - **Modernization & Refactoring**: Migrated class-based components to React Hooks, improving maintainability and code clarity.
 - **Cross-Team Collaboration**: Worked closely with design and backend teams to ensure UI consistency and smooth API integration.
 - **Testing & Quality Assurance**: Wrote unit and integration tests using Jest and React Testing Library, achieving 90%+ coverage.

PROJECTS

- **RSDB - Retail Site Database**

- Technology Used: ReactJS, NextJS, JavaScript, Material UI, HTML, Tailwind CSS.
- Worked on a migration project, transitioning from Classic to ReactJS in an AWS cloud environment.
- Refactored monolithic architecture into modular microservices to improve scalability, reduce system dependencies, and streamline deployment.
- Created and maintained several ReactJS components and screens, ensuring alignment with evolving client requirements.
- Integrated frontend components with backend APIs, ensuring seamless data flow and optimal performance.
- Conducted comprehensive end-to-end testing, debugging, and issue resolution to deliver high-quality, error-free code.

- Transformed legacy class-based components into modern functional components using React Hooks for improved readability and reusability.
- Utilized Material UI and Styled Components to develop consistent, responsive, and reusable UI modules across the application.
- Participated in Agile ceremonies and collaborated with QA and backend teams to align on user stories, test coverage, and delivery milestones.
- Engaged in client meetings to gather requirements, demonstrate progress, and incorporate feedback—ensuring solutions aligned with business objectives.

- **MIS (Management Information System) Portal**

- Technology Used: React, NextJS, JavaScript, HTML, CSS, Git, Tailwind CSS.
- Designed and developed multiple UI screens for dynamic report generation, improving system efficiency and user experience.
- Revamped the landing page to improve performance and scalability, reducing average search time through optimized data flow.
- Enhanced system security by preventing contact form abuse, restricting unauthorized uploads, and resolving access control issues.
- Contributed to data validation and QA workflows to ensure accuracy and consistency in generated reports.
- Collaborated with cross-functional teams to iterate UI designs and meet stakeholder usability standards.

- **Compression App**

- Technology Used: NextJS, JavaScript, Material UI, Tailwind CSS, HTML.
- Built a production-ready file compression tool supporting PDF, images, and short videos.
- Implemented fully client-side file processing for maximum privacy and security.
- Added real-time progress tracking and batch processing for improved user experience.
- Designed an architecture that automatically scales without requiring additional server resources.
- Used TypeScript and modern React patterns to ensure clean, maintainable, and scalable code.

- **Test Automation with Playwright**

- Technology Used: Playwright, ReactJS, JavaScript, HTML, CSS.
- Designed end-to-end test cases for a sample e-commerce application using Playwright.
- Automated UI workflows such as login, product search, add-to-cart, and checkout.
- Implemented test scripts with assertions for performance, responsiveness, and cross-browser compatibility.
- Improved test reliability by using selectors, reusable utilities, fixtures, and optimized waits to reduce flakiness.

CERTIFICATIONS

React (Udemy)

Azure DevOps (Udemy)

Azure-900 (Microsoft)