

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

Frontend Developer (Full-time)

Full Time, Contractual
July 2024 - Present

Frontend Development Lead:

Live Production Projects:

Reusable Component Development:

Authentication Integration:

API & Data Handling:

UI/UX & Accessibility:

Performance Optimization:

Wipro Limited

Project Engineer

Full Time
July 2022 - July 2024

UI Module Development:

API Integrations:

Modernization & Refactoring:

Cross-Team Collaboration:

Testing & Quality Assurance:

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)