

Ashutosh Singh

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Professional Summary

Full Stack Developer with 2+ years of experience building scalable, high-performance web applications using React.js, Next.js, TypeScript, and Tailwind CSS. Skilled in implementing SSR/SSG, developing reusable UI components, optimizing performance, and managing state with Redux, Zustand, and React Hooks. Experienced working in cross-functional teams to deliver production-grade features in agile environments.

Recently built an AI-powered Portfolio Assistant using Vercel AI SDK and Groq, showcasing strong capabilities in LLM integration, conversational interfaces, and modern AI-driven UX. Adept at debugging, data-driven problem solving, and architecting clean, maintainable solutions. Passionate about engineering excellence, best practices, and creating user-centric applications.

Work Experience

NextBillion.ai (via Flexiple)

Web Engineer (Contract)

Bangalore, India

Sep 2025 - Present

- Worked on **Fleet Management Platform** that powers logistics, routing, and delivery optimization for enterprise clients.
- Built and optimized **modular Next.js applications** using **Nx monorepo architecture** for scalable code management across multiple microfrontends.
- Developed reusable, type-safe UI components with **TypeScript**, **Redux Toolkit**, and **React Hooks**, improving performance and maintainability.
- Integrated **REST APIs** and **real-time data** to display vehicle tracking, geofencing, and fleet analytics dashboards.
- Used **Docker** to containerize applications and streamline local development across multiple services.
- Collaborated with **design and QA teams** to implement responsive, pixel-perfect UIs aligned with Figma specifications.
- Participated in **code reviews and sprint planning**, ensuring adherence to best practices in clean code, linting, and Git workflow.
- Debugged and fixed complex UI/UX issues, improving component rendering performance and reducing bundle size.

10times

Software Developer

Bangalore, India

Jan 2024 - May 2025

- **Engineered scalable, responsive web applications** using React.js, Next.js, TypeScript, and Tailwind CSS, boosting performance and enhancing user engagement.
- **Implemented SSR/SSG and React Router** to optimize navigation, reduce load times by ~40%, and deliver seamless customer experiences.
- **Developed reusable components and dynamic forms** leveraging React Hooks, Zustand, and Redux, ensuring modularity and maintainability.
- **Integrated automated testing** with Jest and React Testing Library to validate features and reduce bugs in production.
- **Collaborated with product owners, QA, and cross-functional teams** to refine requirements, deliver user stories, and maintain high-quality applications.
- **Applied frontend security best practices** (Zod validation, secure API handling with Axios/REST APIs) to safeguard user data.
- **Mentored junior developers** on reusable component design, state management, and frontend best practices, fostering a culture of code quality.

Webkul Software Pvt. Ltd.

Software Engineer

Noida, India

Feb 2023 - Dec 2023

- **Developed and maintained production-grade web applications** using React.js, JavaScript (ES6+), HTML5, CSS3, and REST APIs, improving usability and performance.
- **Implemented React Forms, routing, and lifecycle methods** to deliver customer-facing features with scalability
- **Integrated API calls using Axios/Fetch** and applied middleware (Redux-Saga) for efficient data flow and state management.
- **Collaborated with QA and product owners** to refine requirements, test features, and ensure cross-browser compatibility.
- **Conducted code reviews and mentored peers** on reusable component design and frontend best practices.

- **Adopted Next.js and modern architecture patterns** (SSR/SSG, code splitting) to lay a strong foundation for scalable applications.

Projects

Portfolio AI Assistant - Next.js, TypeScript, Vercel AI SDK, Groq, Tailwind, Shadcn, REST APIs - <https://ashutoshsingh.dev/>

- Developed an AI-powered chatbot integrated directly into my portfolio, enabling recruiters to instantly access information about my skills, experience, projects, availability, and background through natural conversations.
- Implemented contextual intelligence using the **Vercel AI SDK** and **Groq LLMs**, allowing the agent to understand intent, maintain conversation flow, and generate human-like, precise responses.
- Designed conditional workflows to handle confidential queries (e.g., CTC, personal details) with protective responses and smart prompts that offer alternate actions such as scheduling a call.
- Built a structured data retrieval layer that feeds the AI with resume metadata, project documentation, and skill-sets, enabling accurate, verifiable, and recruiter-friendly responses.

NCC - Next.js, TypeScript, Nx Monorepo, Redux, MUI, REST APIs - <https://console.nextbillion.ai>

- Contributed to the **NextBillion Cloud Console (NCC)** — a core **Fleet Management and Mapping Platform** for managing routes, vehicles, and location analytics.
- Fixed and optimized **UI/UX issues** across modules, including map visualization, vehicle routing, and trip dashboards, ensuring smoother user interaction and visual consistency.
- Resolved **logic-level bugs** in data flow, form validation, and API integrations that improved reliability and reduced edge-case errors.
- Collaborated with **QA, Product Design, and Backend teams** to identify, debug, and implement scalable frontend solution.
- Worked within an **Nx Monorepo Architecture**, enabling better modularity and code reusability across NCC micro-apps.

Whr.ai - Next.js, TypeScript, D3.js, Tanstack, Shadcn, Tailwind, REST APIs - <https://whr.ai>

- Developed an advanced event intelligence platform that empowers businesses to optimize operations by providing real-time insights, trend analysis, and predictive analytics on upcoming events.
- Engineered a predictive analytics tool that forecasts the likelihood of event recurrence, allowing businesses to anticipate future opportunities and strategically prepare their operations to capitalize on event-driven customer demand.
- Improved user engagement by 40% by integrating dynamic filters and real-time updates.

Recofy - Next.js, TypeScript, Tailwind, REST APIs - <https://recofy.com>

- Developed and implemented a dynamic recommendation system within the event-based platform.
- Personalized business recommendations resulted in increased user interaction and higher retention.
- Designed relational schemas and optimized queries using PostgreSQL for scalable data handling.

Education

IIMT College of Engineering

Bachelor of Technology (B. Tech) in Computer Science & Engineering

Greater Noida, India

Aug 2019 - Jun 2023

Technical Skills

- **Frontend:** HTML5, CSS3, ES6 JavaScript, TypeScript, React.js, Next.js, Nx Monorepo, React Forms, Axios, Zod, Zustand, Redux, Tailwind, shadcn/ui, MUI, Framer Motion, D3.js, Chart.js
- **Backend & DevOps Tools:** Node.js, Express.js, MongoDB, Python, RESTful APIs, Docker, AWS, CI/CD, Vercel
- **Tools & Platforms:** Git, Linux, Vercel AI SDK, Lighthouse, Postman, Jest, React Testing library, Groq LLM