

Somsurya Mohapatra

Full-Stack Engineer

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Senior Frontend / Full-Stack Engineer with **4+** years of experience building **scalable, high-performance** web applications using **React.js, Next.js, Node.js, and TypeScript**. Strong expertise in **SSR, SEO optimization, UI system design, and performance engineering**, with proven impact on **Core Web Vitals, Lighthouse scores, and conversion metrics**. Experienced in designing **reusable component architectures, optimizing state management, and integrating secure APIs** using **JWT/OAuth**. Comfortable owning features end-to-end, collaborating cross-functionally, and making architecture trade-offs in production-grade applications.

CORE SKILLS

- **Front-End:** React.js (Hooks, Context), Next.js, TypeScript, Redux, JavaScript (ES6+), Tailwind CSS, MUI, ShadCN, Framer Motion, Responsive UI Design
- **Back-End:** Node.js, Express.js, REST APIs, GraphQL, JWT/OAuth Authentication
- **Database:** MongoDB
- **Cloud & Deployment:** AWS (S3), Vercel, Render, Cloudflare
- **Testing & Tools:** Jest, Git, GitHub, Postman, API Integration
- **Performance & Optimization:** SEO, SSR, Lazy Loading, Lighthouse Optimization

PROFESSIONAL EXPERIENCE

Learnvista Pvt. Ltd

Full-Stack Software Developer | Nov 2024 – Dec 2025

Project: LearnBay EdTech Platform

- Architected a **scalable Next.js application** using **SSR** and **dynamic routing** to support SEO-critical course pages and high user traffic.
- Implemented server-side rendering (SSR) and dynamic meta tag generation, **improving Lighthouse SEO score by 30%** and **reducing bounce rate by 40%**.
- **Designed and maintained a reusable component architecture, reducing UI development effort by 25% and ensuring design consistency across modules.**
- **Optimized Core Web Vitals** (LCP, CLS) through lazy loading, image optimization, and code splitting, resulting in **40% faster page load times**.
- Modeled **scalable MongoDB schemas** and implemented **pagination** and **efficient queries** to support growing datasets.
- Deployed and maintained production builds using **AWS**, ensuring reliable releases and minimal downtime.
- Delivered multiple critical features under **2–3 weeks Agile sprints**.
- Collaborated cross-functionally with design and marketing teams to deliver pixel-perfect, high-conversion UIs.

Capgemini Technology Services India Ltd.

Senior Software Engineer | June 2021 – Sep 2024

Project: Banking Credit Card Management System

- Developed and **enhanced React-based UI modules** for credit card lifecycle workflows, improving usability and reducing customer confusion by **30%**.
- Designed a **toggleable UI architecture** enabling seamless switching between legacy and modern interfaces, minimizing risk during phased migrations.
- **Optimized Redux-based state management** and **API integrations**, improving rendering speed and responsiveness.
- Participated in Agile sprint planning, code reviews, and technical discussions, **achieving 100% sprint delivery consistency**.
- Worked closely with backend teams to align API contracts and improve frontend-backend integration reliability.
- Actively contributed to **debugging and performance tuning** of production issues in a regulated banking environment.

KEY PROJECTS

- **EdTech Platform** – Developed a modular, scalable platform with SEO-friendly pages, reusable components, and **SSR architecture**. Improved **page load speed by 40%** and reduced **development time by 25%**.
- **Credit Card Management System** – Delivered a toggleable React UI integrating securely with APIs via JWT, reducing user confusion by **30%** and improving **workflow clarity**.
- **Personal Portfolio** – Designed a modern, animated portfolio to showcase skills and projects. Achieved **100%** mobile responsiveness, **90+** performance scores, and minimal layout shifts for an optimal user experience.
- **Company Website (Freelance Project)** – Delivered a responsive website with dynamic routing, form handling, and reusable components. Achieved **40%** faster render time and **90+** performance scores.

EDUCATION & CERTIFICATIONS

- Bachelor of Technology (B.Tech), Computer Science BPUT, Odisha 2016 – 2020
- Certification: Android Development – Trident Academy of Technology, Bhubaneswar

EXTRACURRICULAR & INTERESTS

- Tech Exploration: Passion for new tools in AI, DevOps, and Web Performance.
- Cooking & Food Experiments: Love experimenting with vegetarian and fusion recipes

DECLARATION

I hereby declare that the above information is true and correct to the best of my knowledge and belief.

Somsurya Mohapatra