

PRAHLAD BISWAS

Frontend Software Engineer | React.js | Next.js | TypeScript

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Siliguri, West Bengal, India

PROFESSIONAL SUMMARY

Frontend Engineer with 1.5+ years of production experience building scalable web applications using React.js, Next.js, and TypeScript. Specialized in performance optimization (44% page load improvement), responsive design, RESTful API integration, and modern UI architecture. Proven expertise in delivering production-ready applications with a strong focus on accessibility (a11y), SEO optimization, and Core Web Vitals. Committed to writing clean, maintainable code and partnering effectively with designers and backend engineers in cross-functional Agile teams.

TECHNICAL SKILLS

Languages: JavaScript (ES6+), TypeScript, HTML5, CSS3

Frontend: React.js, Next.js, Vite, Tailwind CSS, shadcn/ui, React Hooks, Custom Hooks

Next.js: App Router, SSR, SSG, Dynamic Routing, API Routes, Middleware

State & Forms: Redux Toolkit, Context API, React Hook Form, Zod

Backend & Data: Node.js, Prisma ORM, MongoDB, Firebase, NextAuth

APIs & Services: RESTful APIs, Axios, Fetch API, Postman, Stripe, OpenAI, Third-Party Integrations

Performance: Core Web Vitals, Lighthouse, Lazy Loading, Code Splitting, Image Optimization, Memoization, Caching

Quality & DevOps: Accessibility, WCAG, Cross-Browser Compatibility, API Testing, Git, GitHub, GitHub Actions, Vercel, Chrome DevTools, ESLint, Prettier, Webpack, CI/CD

PROFESSIONAL EXPERIENCE

Associate Developer | APPYCODES TECHNOLOGIES LLP | FULL-TIME

Siliguri, West Bengal | Jun 2026 – Jul 2026

- Developed responsive, cross-browser web applications using React, Next.js, TypeScript, JavaScript, Tailwind CSS, and shadcn/ui, delivering reusable and maintainable frontend solutions.
- Built 20+ reusable UI components and custom React Hooks, improving code consistency, scalability, and development efficiency.
- Integrated REST APIs and implemented front-end state management, error handling, and responsive UI workflows across application features.
- Led feature development, performed debugging and code reviews, facilitated Agile ceremonies, and supported production deployments, collaborating with cross-functional teams to enhance product quality.

Associate Software Engineer (Frontend) | KOADAI DIGIHUB PRIVATE LIMITED | FULL-TIME

Siliguri, West Bengal | Aug 2025 – Apr 2026

- Developed and scaled React/Next.js features using SSR and App Router, improving application performance, maintainability, and delivery velocity.
- Reduced load time from 3.2s to 1.8s (~44%) using lazy loading, memoization, code splitting, and image optimization, boosting Lighthouse score by 25 points.
- Built 15+ reusable UI components and integrated 5+ REST APIs for authentication, pagination, real-time data flows, and complex workflows.
- Resolved browser compatibility issues and collaborated with designers and backend developers on responsive, accessible production solutions.

Web Developer (Full-Stack) | FREELANCE | PART-TIME

Remote | Jan 2025 – Present

- Designed, built, and deployed over 10 full-stack applications with React, Next.js, Node.js, Prisma, and MongoDB, managing the entire development lifecycle.
- Integrated 10+ REST endpoints for authentication, CRUD operations, dashboards, and services including Stripe, Firebase, and OpenAI.
- Achieved Lighthouse scores of 90+ through lazy loading, image optimization, code splitting, and caching; implemented Firebase Authentication and NextAuth with protected routes and sessions.

PROJECTS

Fundamental Eureka — AI Resume & Interview Platform

Next.js, TypeScript, Prisma, MongoDB, Zod

GitHub: github.com/Poluslg/fundamentaleureka_nextjs | Live: fundamentaleureka.prahladbiswas.co.in

- Built an AI SaaS platform for resume analysis and interview simulation; integrated external AI APIs with Zod validation for reliable, type-safe responses.
- Created modular UI components and scalable client-side data flows for dynamic AI-generated content.

AI Career Copilot — AI Job Analysis & Resume Platform

TypeScript, Tailwind CSS, Chrome Extension API, AI APIs

GitHub: github.com/Poluslg/job-tracker

- Built an AI-powered Chrome extension that analyzes job descriptions against user resumes to provide job-match scoring, ATS analysis, skill-gap detection, and requirement coverage.
- Developed AI-powered resume tailoring, cover-letter generation, interview preparation, and job application tracking with provider-agnostic AI integration and BYOK API support.

EDUCATION

Bachelor of Technology | Information Technology | Siliguri Institute of Technology, Siliguri, West Bengal

August 2022 – April 2025 | CGPA: 7.12/10 | Data Structures & Algorithms, Operating Systems, OOPs, DBMS, Computer Networks

Diploma | Computer Science and Technology | Siliguri Government Polytechnic, Siliguri, West Bengal

August 2019 – October 2022 | CGPA: 8.30/10 | Operating Systems, OOPs, DBMS, Computer Networks, Web Development