

SHUBHAM KANUNGO

Lead Frontend Engineer | React.js & Next.js Specialist | AI-Integrated Full-Stack Development

Khandwa, India | +91 8989719137 | shubhamkanungo37@gmail.com | github.com/KanungoShubham | linkedin.com/in/shubham-kanungo7a6bba180

PROFESSIONAL SUMMARY

Frontend Engineer and AI-integrated Full-Stack Developer with 7+ years of experience delivering production-grade web platforms across EdTech, ESG/enterprise SaaS, and e-commerce. Proven track record of leading frontend architecture, improving Core Web Vitals and Lighthouse performance, and building AI agents that combine OCR and LLM-based data processing to automate manual workflows. Experienced in mentoring engineering teams, driving code quality standards, and shipping scalable, SSR-optimized Next.js applications for enterprise clients. Comfortable working in distributed, global teams across on-site, hybrid, and remote setups.

CORE TECHNICAL SKILLS

Frontend: React.js, Next.js 14 (App Router, SSR/SSG), TypeScript, JavaScript (ES6+), HTML5, CSS3, Tailwind CSS, Material UI, Bootstrap, Responsive & Accessible UI Design

Backend & Data: Node.js, Express.js, PHP, Laravel, MySQL, RESTful API Design & Integration

AI & Automation: LLM Integration (Claude API, OpenAI API), Prompt Engineering, AI Agent Design, OCR (Azure Form Recognizer, Tesseract), Automated Data Classification

Cloud, Auth & DevOps: Microsoft Azure (Entra ID / Azure AD, Blob Storage, Form Recognizer), OAuth 2.0 / MSAL, Role-Based Access Control (RBAC), CI/CD Pipelines

Engineering Practices: Git/GitHub, Agile/Scrum, Code Review, Performance Optimization, SEO, Figma, Webpack, Technical Mentoring, Cross-Functional Collaboration

PROFESSIONAL EXPERIENCE

Lead Frontend Engineer — Sustainext

Jan 2024 – Present

ESG Reporting Platform — Next.js 14, React, Tailwind CSS, MySQL, Node.js, Azure AD, OCR, LLM APIs

- Led frontend architecture and delivery for an enterprise ESG reporting platform, improving the Google Lighthouse performance score from 62 to 91.
- Migrated the application to Next.js 14 App Router, implementing server-side rendering (SSR) and dynamic routing for improved scalability.
- Reduced page load time by 40% through lazy loading, code-splitting, and optimized data-fetching strategies.
- Designed and led development of an AI agent for automated ESG data ingestion, integrating OCR (Azure Form Recognizer with Tesseract fallback) to extract key fields from utility bills, invoices, and supplier documents.
- Built an LLM-based classification pipeline that automatically suggests the correct GHG emission category (Scope 1 / 2 / 3) for each extracted line item, reducing manual categorization effort by approximately 70%.
- Implemented automated flagging of missing or ambiguous emission entries with draft category suggestions for human review, significantly reducing data-entry errors.
- Replaced legacy authentication with Azure AD (Entra ID) using OAuth 2.0 / MSAL, enabling enterprise single sign-on (SSO) and role-based access control (RBAC) at both API and UI layers.
- Reviewed code and mentored a team of 4 engineers; built a shared component library that reduced duplicate work across feature teams.

Senior Software Developer — Accredian Pvt Ltd

Oct 2021 – Dec 2023

Learning Management System (LMS) — React, Node.js, MySQL, Tailwind CSS

- Built a Learning Management System from the ground up, now serving 10,000+ active students with dedicated dashboards for students, faculty, and administrators.
- Designed and shipped automated course and quiz workflows that reduced administrative workload by 60%.
- Integrated Zoom and Thinkific via REST APIs to support 200+ live courses on the platform.
- Collaborated with a cross-functional team of 8 across product, design, and backend engineering in an Agile/Scrum environment.

Software Developer — Niti Distributors Ltd (NDL)

Jun 2020 – Sep 2021

E-Commerce & Ordering Platform — PHP, WordPress, MySQL

- Developed and maintained the e-commerce and ordering platform for NDL, a Dubai-headquartered IT and networking hardware distribution company operating across the Middle East and Africa.
- Built and customized WordPress themes and plugins to support online product catalog and ordering workflows for reseller and B2B customers.
- Improved site performance and security, and collaborated with regional teams to support distribution operations across multiple international markets.

PHP Developer (Contract) — Dream Web Software

Aug 2019 – Dec 2019

Yulfly – Flight & Hotel Booking Platform — Laravel, PHP, MySQL, Bootstrap

- Contributed to development of Yulfly, a flight and hotel booking platform, implementing and refining booking features on a contract basis.
- Built real-time availability logic, multi-language support (English & French), and admin panel functionality.

Software Developer — WCSL Limited

Mar 2018 – Sep 2019

Government Database & Records System — PHP, HTML, CSS, MySQL

- Developed and maintained a government database and records-management system using PHP, HTML, and CSS.
- Built data entry, search, and reporting modules for structured government records.
- Ensured data integrity and consistent performance across large record sets.

KEY PROJECTS

Sustainext – ESG AI Agent & Reporting Platform | *Next.js, React, Tailwind CSS, MySQL, Azure AD, OCR, LLM APIs*

- Rebuilt enterprise ESG platform on Next.js 14, lifting Lighthouse score from 62 to 91.
- Built an AI agent pipeline: OCR extracts data from bills/invoices, an LLM auto-suggests GHG emission categories, and flagged entries are routed for human review.
- Integrated Azure AD SSO for enterprise multi-tenant authentication with full RBAC.

Accredian LMS | *React, Node.js, MySQL, Tailwind CSS, Material UI*

- Full-featured LMS with automated workflows, quizzes, live-class integration, and role-based access serving 10,000+ active users.

Yulfly – Flight & Hotel Booking Platform | *Laravel, PHP, MySQL, Bootstrap*

- Built during a contract engagement at Dream Web Software — see Experience section for details.

Mojakart – E-Commerce Platform | *PHP, MySQL, JavaScript, HTML, CSS*

- E-commerce store for gadgets with cart management, product filters, order tracking, and a full admin dashboard.

EDUCATION

Bachelor of Engineering (B.E./B.Tech) — Information Technology

SDITS (Shri Dhoolabhai Ganpat Bhai Patel Institute of Technology & Science), Khandwa — RGPV University | 2012 – 2016

ADDITIONAL INFORMATION

Languages: Hindi (Native), English (Fluent), French (Intermediate)

Work Mode: Open to Remote, Hybrid, or On-site — including international/global opportunities

Notice Period: Immediate to 30 days