

Anindya Bhattacharyya - Resume

Full-Stack Engineer (React / Next.js)

Toronto, ON · Permanent Resident of Canada

anindya.gopal.b@gmail.com

+1 (437) 463-8740

anindyab.dev

github.com/AnindyaGB

Personal Statement

Full-Stack Engineer with **5 years of professional experience** building and shipping **production React, Next.js, and Node.js applications**. Experienced designing frontend architectures, developing RESTful APIs, working with relational databases, and delivering end-to-end features from requirements through deployment. Strong focus on maintainability, accessibility (WCAG), performance, and clean API design.

Software Skills

Frontend: React, Next.js, JavaScript (ES6+), TypeScript, HTML5, CSS3, Figma

Backend & Data: Node.js, REST APIs, PostgreSQL, SQL

Tools & Platform: Git, Vercel

Employment History

Front End Engineer – NCTech, Edinburgh, UK (*March 2021 – November 2025*)

Working in the geospatial industry, making use of React to contribute to products in an agile environment.

- Delivered **production React features** across multiple geospatial web applications used by enterprise and public-sector clients, contributing to **regular release cycles**.
- Took **end-to-end ownership** of frontend features, translating product requirements into maintainable UI solutions and shipping to production.
- Designed and maintained a **reusable component architecture**, reducing duplicated UI logic and improving long-term maintainability across products.
- Led **accessibility (WCAG) improvements** across applications, implementing semantic HTML, keyboard navigation, and contrast fixes to improve usability for users with visual impairments.
- Built **fully responsive interfaces** supporting desktop, tablet, and mobile using modern CSS layout techniques.
- Produced **Figma wireframes and prototypes** to communicate design intent and accelerate feedback with product stakeholders.
- Collaborated closely with backend engineers to integrate REST APIs and ensure consistent data handling across the UI.
- Mentored junior developers through onboarding and code reviews, raising overall frontend code quality.
- Participated in sprint planning, estimation, demos, and cross-functional discussions in an agile environment.

Personal Projects

Gazetteer – Interactive Geospatial Web Application

(React, Leaflet, JavaScript, Web APIs, Vercel)

gazetteer.anindyab.dev

github.com/AnindyaGB/Gazetteer

Gazetteer is an interactive geospatial web application that allows users to explore countries worldwide and view real-time geographic, demographic, and weather data.

- Designed and built a **production-quality geospatial web application** enabling users to explore country-level geographic, demographic, and real-time weather data.
- Integrated multiple third-party APIs and **normalized inconsistent data responses** to ensure reliable UI rendering and error handling.
- Implemented **interactive maps** using Leaflet, including custom markers, layers, and popups to visualize location-based data.
- Architected the frontend using **reusable React components** and modern JavaScript patterns to support future feature expansion.
- Deployed and maintained the application on **Vercel**, configuring environment variables and optimized production builds.

Company Directory — Full-Stack Web Application

(Next.js, Node.js, PostgreSQL, JavaScript, Vercel)

companydirectory.anindyab.dev

github.com/AnindyaGB/CompanyDirectory

Company Directory a full-stack company management system supporting CRUD operations for personnel, departments, and locations.

- Built a **full-stack CRUD application** simulating internal business tooling for managing personnel, departments, and locations.
- Designed RESTful APIs and implemented a **relational PostgreSQL schema** supporting complex queries and data integrity.
- Developed a **Next.js frontend** leveraging server-side rendering for performance and SEO, with client-side interactivity.
- Implemented **search, filtering, sorting, and pagination** to efficiently manage large datasets.
- Added form validation, error handling, and user feedback to improve usability and data quality.
- Deployed and managed the application on **Vercel**, configuring production builds and environment-specific settings.

Education

University of Edinburgh – MEng Electrical and Mechanical Engineering with Honours (2015)

Theoretical and Practical classes in Electronics, Electrical and Mechanical Engineering.

Other Employment

Electrical Engineer - Jaguar Land Rover, Gaydon, UK (September 2017 – June 2018)

Working in an electrification and advanced driver assistance systems department contributing to the development of new car lines and product features.

Project Engineer - SMC Pneumatics, Milton Keynes, UK (October 2015 – March 2017)

Working in a European technical centre on a variety of projects for several products including chillers, filters, pumps and air dryers.