

Anindya Bhattacharyya - Resume

E): anindya.gopal.b@gmail.com

C): +1 (437) 463-8740

W): anindyab.dev

GitHub): github.com/AnindyaGB

Personal Statement

Front-End / Full-Stack Software Engineer with 5 years of professional experience building React and Next.js applications. Strong in JavaScript, UI design, accessibility, and API integration.

Software Skills - HTML5, CSS3, Javascript, React, Node.js, Next.js, Figma, SQL, Python

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.

- Built and shipped production React features across multiple geospatial products in a fast-paced agile environment, contributing to regular releases and product demos for technical and non-technical stakeholders.
- Developed reusable UI components and improved front-end architecture, reducing duplicated code and improving long-term maintainability.
- Led accessibility improvements across products (WCAG), implementing semantic HTML, keyboard navigation, and contrast fixes to support users with visual impairments.
- Ensured fully responsive layouts across desktop, tablet, and mobile using modern CSS and layout techniques.
- Wireframed and prototyped new features in Figma to communicate design ideas and accelerate development.
- Mentored junior developers, onboarding them to the codebase and providing code reviews and technical guidance.
- Collaborated with Product Owners and backend engineers to define sprint scope, estimate work, and plan technical solutions.

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.

- Created a tool to assess how much CO2 reduction per car model is required to meet government regulated emissions standards.
- Completed performance tests on prototype MHEV vehicles, using Canalyzer to assess the success of the vehicle in varying states of operation.
- Defined the Lidar requirements for different autonomous features, while creating a customisable sensor simulation in Matlab used to test Lidar parameters in different scenarios.

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.

- Provided product support and troubleshooting to subsidiaries across Europe.
- Designed tests based on electrical standards to commission chiller units for operation at -20C.
- Performed benchmarking tests on competitor products that concluded with concise detailed technical reports sent to Japanese headquarters.

Personal Projects

Gazetteer – Interactive Geospatial Web Application (anindyab.dev/gazetteer)

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

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

- Implemented dynamic data fetching from multiple public APIs and normalized responses for consistent UI rendering.
- Integrated Leaflet maps with custom markers, layers, and popups to visualize country-specific information.
- Designed and developed a responsive user interface optimized for desktop and mobile devices.
- Structured the application using reusable React components and modern JavaScript patterns.
- Deployed and hosted the application on Vercel with production build configuration and environment variables.

Company Directory — Full-Stack Web Application (anindya.dev/companydirectory)

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

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

- Designed RESTful APIs in Node.js and implemented PostgreSQL database schema and queries.
- Built a responsive Next.js front-end with server-side rendering and client-side interactivity.
- Implemented advanced search, filtering, sorting, and pagination to efficiently manage large datasets.
- Added form validation, error handling, and user feedback to improve usability and data integrity.
- Connected front-end and back-end layers through clean API contracts, demonstrating end-to-end application design.
- Deployed and hosted the application on Vercel, configuring environment variables and production builds.

Academic Record

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

Theoretical and Practical classes in Electronics, Electrical and Mechanical Engineering. Studies focussed on Power Systems, Machines and Electronics, Control Systems, Renewable and Conventional Energy, with a Masters Dissertation on the application of Solar Technology on Electric Vehicles.

Other Employment and Travel

Warehouse Associate – Amazon, Dunfermline, UK (*February 2020 – April 2020*)

Locating products in warehouse storage and picking customer ordered items for outbound deliveries.

Academic Mail Clerk – World Education Services, Toronto, Canada (*January 2019 – September 2019*)

Organising Inbound mail into categories, and registering the mail on the internal records system.

Working Holiday Canada (*July 2018 – December 2018*)

Travelling across various locations in Canada working several short term jobs.