Daniel Williams

Frontend Engineer

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Profile
Frontend Engineer with 2+ years of professional experience building and maintaining production-ready web applications. Strong background in TypeScript, Next.js, React and PostgreSQL with experience collaborating closely with designers, backend engineers, and stakeholders to deliver accessible, performant, and user-focused solutions. Previously worked in a fast-paced digital agency environment, bringing strong communication and cross-functional collaboration skills.

Work Experience

Frontend Engineer, Dynamon
Southampton, United Kingdom | Jan 2024 – Present

- Worked across multiple fleet electrification SaaS products (Zero, PTA, and RouteZERO) built with Next.js, React, TypeScript, and PostgreSQL-backed APIs, developed within an agile, cross-functional environment, delivering data-heavy simulations, dashboards, and reporting tools.
- Led frontend development of RouteZERO, a complex SaaS route-planning and energy-simulation tool for electric HGVs, building interactive map-based workflows and rich, data-driven user interfaces.
- Led a major Next.js migration (v12 → v14) for Zero, reducing technical debt and enabling App Router functionality through a low-risk, zero-downtime upgrade strategy supported by improved automated testing.
- Built advanced data-driven dashboards and reporting tools, including an AI-assisted, exportable fleet decarbonisation report with multi-page visualisations, filtering, seasonal analysis, and automated insights.
- Delivered enterprise-grade authentication and authorisation across multiple products by migrating from an in-house solution to AWS Cognito, introducing MFA, OAuth 2.0, OpenID Connect, and improved session handling to unblock customer onboarding and revenue
- Implemented and delivered production-ready AWS infrastructure for multiple applications, working directly with and reporting to the CTO to roll out standardised deployments across development, staging, and production environments using Route 53, ECS, ECR, ALB, ACM, CloudWatch, and Cognito.
- Implemented cloud cost optimisations, working with CTO to consolidate multiple Application Load Balancers into a single ALB with listener rules, achieving a ~64% reduction in baseline load balancer costs and simplifying multi-subdomain routing.

Digital Marketing Executive, Brainlabs
London | Jan 2022 – Mar 2023

- Managed multiple PPC and paid social accounts for clients including Which? and The AA, each with monthly budgets exceeding £400k
- Collaborated with UX/UI designers and internal stakeholders to plan and execute full-funnel marketing strategies
- Automated reporting and data processing using Funnel and Google Looker Studio to improve efficiency
- Led weekly, monthly, and quarterly performance calls with clients

Skills

Frontend: TypeScript, React, Next.js, JavaScript (ES6+), Tailwind CSS, shadcn/ui
Backend/APIs/Databases: Node.js, REST APIs, PostgreSQL, Pinecone, Express
Testing: Jest, Playwright
Cloud/Data: AWS, dbt, LangChain
Tools: Git, GitHub, GitLab, Figma, Cursor, dbt
Other: Accessibility (WCAG), Responsive Design, Agile/Scrum

Personal Projects

Scrybe AI — *Next.js, React, TypeScript, Tailwind CSS, LangChain, Pinecone*
- Built an AI-powered web application that generates structured notes from YouTube videos using a Retrieval-Augmented Generation (RAG) pipeline
- Implemented real-time, streaming summarisation and interactive Q&A, enabling users to query video content with low-latency responses
- Integrated vector search using Pinecone and LangChain to retrieve relevant transcript context and improve answer quality

Globe Explorer – React, Node.js, REST APIs
- Built in 2022, users can interact with a map like UI and get real time access on the selected country's time, currency, weather and breaking news updates.
- Real time data is gathered by connecting to various API's that is processed through a RESTful Node.js backend API.

Education

Bachelor of Arts (BA) Geography – 2:1 Honours
University of Southampton | Sep 2015 – Jul 2018