

Dan Nisbet

Crafted Digital Products

As a Product Engineer, Dan has been crafting award-winning web and mobile experiences for over 20 years. He is at his best, leading multi-disciplinary teams across complex, full-stack applications. A frontend specialist with a proven design pedigree; as comfortable engineering clean, testable code as he is perfecting UX interactions.

EXPERIENCE

Immense, London (Remote) 2020 - PRESENT *Product Engineer*

Building 'Roadlab', a road infrastructure simulation tool for traffic controllers & transport planners.

- Spearheaded Roadlab's UI development for the Transport for London (TfL) partnership
- Rapid analysis of simulation results with dynamic mapping tiles, custom Deck.gl visualisations & UI interactions
- Transitioned to a modular architecture with micro-frontends Webpack Module Federation
- Developed platform wide component library

TypeScript · React · Deck.gl · Nebula.gl · Turf.js · Jest · MSW · Webpack

Wood Mackenzie, Edinburgh (Hybrid) 2019 - 2020 *Senior JavaScript Developer*

Tasked with building 'Global Upstream Valuations', a new product delivering world-class data and analytics for the energy sector.

- Monthly average sessions per user surpassed the legacy tool by over a third for paying accounts
- Exceeded half of the total platform revenue in its first year
- GIS visualisations of millions of entities with Mapbox
- Complex data manipulation for charting & statistical analysis
- Utilised ClickHouse for efficient large dataset aggregation
- Created GraphQL API endpoints processing multiple data sources
- Developed shared component documentation using Storybook
- Pair programming & mentoring

TypeScript · React · Node · GraphQL · AWS · Serverless · Elasticsearch · ClickHouse · Docker · Mapbox · Jest · Cypress · Storybook

EDUCATION

Multimedia Technology BSc (Hons) 2:1 **Leeds Beckett University 1999 - 2003**

A four-year degree, including a year's industrial placement at STA Travel

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SKILLS

- Technical Direction
- Software Development
- Application Architecture
- Interaction Design (IxD)
- Prototyping & Ideation
- Geospatial Visualisation
- Creative Coding
- Unit & Integration Testing

TECHNOLOGY

- JavaScript (TypeScript, Node)
- React (Next.js, Remix)
- Svelte (Svelte-Kit)
- GraphQL, REST APIs, Serverless
- CSS (POSTCSS, SASS, LESS, Styled Components, Tailwind)
- Jest, Cypress, MSW
- MongoDB, PostgreSQL, Redis
- Three.js, Deck.gl
- iOS (Swift, SwiftUI)

PUBLICATIONS

Slash design/build time with Proportional RWD
.Net Magazine | Issue 253

Collaborating On Large Design Teams
Smashing Magazine

AWARDS

- 1 x BAFTA Nomination
- 1 x Dadi Awards Grand Prix
- 1 x BIMA (British Interactive Media Association) Award
- 1 x Adobe MAX Finalist
- 2 x Adobe Site of the Day
- 1 x FWA
- 1 x AWWWARDS