

ANGUS CLARK

Senior Engineer

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Senior Software Engineer with 7 years' experience in climate tech, fintech, and digital agencies. Proven ability to take greenfield projects from concept to launch, with a strong focus on front-end development using React, TypeScript, and modern UI libraries. Currently building a no-code energy systems modelling platform at a climate nonprofit. Previous roles include founding engineer at a Y Combinator-backed fintech and front-end developer at Vodafone, gaining valuable exposure to ways of working across early stage startups through to enterprise. Brings full-stack knowledge, cross-functional collaboration skills, and experience across the entire software development lifecycle.

Experience

Senior Front-End Engineer

September 2023 - Present

TransitionZero

- Led migration of components from MUI to Radix, improving the developer experience and future proofing against breaking changes in the React + Next.js ecosystem, prioritising React server component support (RSC)
- Refactored server state management from Redux to React Query, cutting down on project boilerplate and unnecessary global state, enabling server-side data fetching with RSC
- Championed the adoption of Scrum practices, such as user story refinement and story pointing, to support the team's agile maturity and improve sprint planning
- Built custom charts to visualise the results of energy system models using D3.js / visx
- Third party integrations, including Mixpanel for tracking, Auth0, and Sentry for monitoring
- Contributed to a satellite imagery powered, asset level data-set of solar power plants around the globe
- Collaborated daily with Python backend developers and contributed several FastAPI endpoints

Senior Full-Stack Engineer

January 2022 - April 2023

Tranch

- Significant involvement in the initial stages of product discovery, playing a key role in conceptualising and delivering the MVP – developed a single page application (SPA) using React, Next.js, Styche authentication, Fastify and PostgreSQL that has served more than 200 distinct business customers since its launch
- Built features such as autofill postcode lookup, one-time password authentication, and companies house integration – all core functions of the product

- Mentored a team of junior developers, providing guidance, support and technical education, offering constructive pull request feedback and suggestions to ensure efficient and high-quality code
- Took a hands-on approach to lead the overall improvement of the team's performance, knowledge sharing, and adherence to the company's coding standards

Product Engineer

June 2020 - December 2021

Better (formerly Trussle)

- Rebuilt mortgage ops tool with TypeScript, React Hook Form, Next.js, and GraphQL (Apollo), improving web performance metrics across the board
- Worked on complex front end validation rules, autofill postcode lookup, intuitive tooltips, and one-click copy paste functionality. These enhancements significantly improved the workflow efficiency for roughly 70 ops staff members
- Demonstrated proficiency in infrastructure as code tooling, including Kubernetes, Docker, AWS, and GoCD (open-source CI/CD tool), supporting efficient and scalable development processes

Front-End Developer

June 2018 - June 2020

MMT Digital (at Vodafone UK)

- Core member of an agile front-end team responsible for creating UI components for the Vodafone shopping basket page
- Contributed to the implementation of automated continuous integration processes and infrastructure as code for front-end repositories
- Emphasised a mobile-first development mindset, ensuring cross-browser support

Education

- CS50: Introduction to Computer Science, Harvard (Online) March 2018
 - JavaScript: Understanding the weird parts, Udemy January 2017
 - University of Liverpool, English & Communications, First-Class Honours 2013 - 2016
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Skills

Front-End	HTML, CSS, TypeScript, React, Next.js, Solid.js, Tailwind, Radix
Back-End	Node.js, Fastify, Python3, FastAPI, Pandas, Jupyter, PostgreSQL,
Data Visualisation	D3.js, visx, GeoJSON
Misc / AI	ChatGPT, Cursor, Claude Code, Neovim, Docker, Terraform