

Skills

JavaScript | TypeScript | React | NextJS | React Native | AWS | Node | Express | Angular | GCP | Supabase | PostgreSQL | MongoDB | Redis | Microservices | Kubernetes | Git | CI/CD | Unit Testing | Jest Python | Go | Solidity

Experience

Deepwriter

Remote, US

Senior Product Engineer

Jan. 2025 - Present

- Spearheaded end-to-end development of Deepwriter's agentic research tool, delivering scalable web app with report generation, subscription billing and admin tooling - adopted by 100+ researchers
- Deployed Kubernetes on GCP to dynamically scale report generation workload, reducing failed jobs by 58%
- Built and documented REST APIs enabling seamless integration of AI writing tool into third-party tools

Devs "R" Us

Remote, US

Co-founder

Dec. 2023 - Present

- Founded and scaled a blockchain-focused consultancy, delivering 15+ production-grade applications spanning marketplaces, DeFi lending protocols and cross-chain bridges for startups and enterprises
- Designed and built full-stack applications (React/NextJS, Node, Solidity) integrating with smart contracts processing \$1M+ in transactions
- Partnered directly with clients to shape product strategy, prioritise features and ensure successful launches

Ivy Protocol

Berlin

Lead Engineer

Sep. 2022 - Dec. 2023

- Joined as first engineering hire and scaled team to 4 engineers, establishing CI/CD pipelines, testing frameworks and code review standards
- Designed and led delivery of React dashboard for carbon project stakeholders (including auth, file sharing, notifications, real-time messaging) becoming the core platform for Ivy's partner ecosystem
- Built domain-specific chatbot leveraging LangChain and Pinecone to provide reliable carbon market data

Euan Hay Consultancy

Remote, UK

Freelance Full-stack Engineer

May 2022 - Oct. 2022

- Delivered multiple freelance projects in the "green blockchain" space, improving sustainability tools used by tens of thousands of users
- Optimised carbon.fyi wallet app for Offsetra, achieving 86% faster calculations and improved accuracy
- Built data pipelines and Angular dashboards for Bitgreen to visualize Polkadot energy usage, enabling real-time transparency for network emissions
- Delivered custom carbon footprint calculators for KlimaDAO, empowering individuals and organisations to track and offset emissions effectively

Creol

London

Full-stack Engineer

Mar. 2020 - May 2022

- Developed Solidity smart contracts to tokenize carbon credits, enabling transparent trading of carbon
- Led discovery sessions with cookstove producers and NGOs, translating operational needs into product roadmaps that aligned engineering with impact goals
- Co-built Creol's web platform and subscription flow, implementing UX improvements that increased user engagement, driving a 47% boost in click-through rate and 25% subscription growth

Education

Imperial College London

Design Engineering (MEng) 1st Class Honours

Sep. 2017 - Jun. 2021

- Thesis: "Optimising UX for Cross-network meta-transactions on Ethereum Layer 2 Networks"