

Full-stack and frontend engineer with 5+ years of experience specializing in scalable, high-performance web applications, e-commerce platforms, and frontend architecture. Expert in React, TypeScript, Next.js (Server Components), Node.js, and cloud technologies including Google Cloud and AWS. Proven track record of leading complex projects, including rebuilding consumer-facing apps, architecting design systems, implementing A/B testing infrastructure, and integrating AI chat systems. Skilled in security auditing. Adept at collaborating with cross-functional teams to deliver technical solutions that drive user engagement, system reliability, and business growth.

Work Experience

Frontend Engineer	Loan.co.uk / remote	August 2024–Present
<ul style="list-style-type: none">Application Architecture & Rebuild: Led the redevelopment of the consumer-facing application using Next.js server components, React, TypeScript, and TailwindCSS—resulting in significantly improved page performance, scalability, and maintainability.Dynamic Form System Development: Designed and implemented a reusable form library with drag-and-drop capabilities to handle mortgage applications, enhancing user experience and internal tooling flexibility.A/B Testing Infrastructure: Developed a feature flagging system tied to logged-in user emails, enabling targeted A/B testing, faster iteration, and data-driven product decision-making.AI Chat System Integration: Architected and developed a modern chat interface powered by an AI chatbot, building backend endpoints with Node.js and Fastify to automate and scale customer interactions.Security Auditing & Migration Planning: Led a security audit across legacy repositories, identified critical vulnerabilities, and defined modernization strategies to improve the long-term stability and compliance of the codebase.Technical Documentation & Onboarding: Authored extensive documentation for legacy projects and workflows, streamlining developer onboarding and reducing ramp-up time for new hires.Performance & Dev Workflow Optimization: Improved auth page load times using server components and enhanced team productivity by refining linting configurations for TailwindCSS and TypeScript.Design System & Component Standardization: Integrated Storybook into the codebase, audited and refactored frontend components, and introduced a scalable token-based design system for consistent UI/UX implementation.		
Bigcommerce Fullstack Developer	IDHL:Leeds / hybrid	July 2023–August 2024
<ul style="list-style-type: none">Project Leadership & Specification Development: Took the lead on two major project specifications, defining objectives, breaking down deliverables into detailed tasks, and providing estimates. Increased project profit margins by identifying and extracting reusable components to reduce duplication.Command-Line Tooling & Automation: Engineered a suite of TypeScript CLI tools for automating product additions using Faker.js and API calls. Integrated Jest for testing data accuracy and parsing, improving development time by 30% and reducing manual workload.PWA Framework Architecture: Designed a modular e-commerce framework using Next.js and WebComponents, visualized in Storybook. Built GraphQL libraries for Shopify and BigCommerce to unify frontend data formatting. Styled components with SASS/SCSS to ensure mobile-first, responsive design.DevOps Automation: Established a new DevOps strategy, transitioning from manual setup to automated CI/CD flows. Deployed Docker containers to Google Cloud Run for preview stores per feature, improving development workflow efficiency by 30% and reducing delivery time by 25%.API & Data Connector Development: Built a custom API connector using Node.js and Fastify for migrating data from Magento to BigCommerce. Implemented rate-limit monitoring and retry logic to ensure reliable, real-time data synchronization.Technical Mentorship & Team Enablement: Mentored team members on headless e-commerce stacks. Led onboarding initiatives, created documentation, and facilitated knowledge-sharing workshops—accelerating adoption of modern tooling and frameworks.		

Fullstack developer

hiyield / Remote

2021–2023

- **Leadership & Team Development:** Led mentoring and onboarding initiatives focused on junior developers, creating structured learning paths for Vue 3 and React. Acted as the go-to resource for troubleshooting and risk mitigation, helping boost team autonomy, collaboration, and developer retention.
- **Technical Project Leadership:** Architected and delivered a full overhaul of a client's e-commerce platform, migrating from Shopify to a scalable headless system using BigCommerce and Nuxt 3. Developed the frontend with Vue 3 and integrated GraphQL APIs, Prismic CMS, and Storybook. Implemented cloud functions for background data processing, resulting in a 35% reduction in processing time.
- **JAMSTACK Modernization:** Upgraded a client's legacy WordPress site to a JAMSTACK architecture using React, TypeScript, Firebase, and Stripe. Integrated Prismic CMS and implemented serverless Netlify functions to manage secure Stripe payments, improving performance and scalability.
- **Data Management & Real-Time Processing:** Architected Elasticsearch pipelines to import 62 million historical records and handle 2 million new entries every quarter. Designed and deployed a Google Cloud Pub/Sub job for real-time updates, dramatically increasing data accuracy and reliability.
- **Development Workflow Optimization:** Improved development efficiency by implementing GitHub Actions and Husky pre-commit hooks for linting and formatting, reducing manual steps by 70% and improving CI speed by 40%.

React Developer / fullstack

codecareer.io / Remote

2020–2021

- **Automated Data Collection & Processing:** Designed and implemented an automated Python-based system for periodic data collection from multiple APIs. Parsed, cleaned, and stored data efficiently in MongoDB on a 30-minute cycle, significantly reducing API costs and improving data reliability for downstream services.
- **Frontend Development for Job Board Platform:** Built frontend for a job board with React and automated data collection using Python and MongoDB.

Education and Certifications

- **BSc (Hons) Psychology**, University of Plymouth 2012–2014
- **HND Applied Psychology**, University of Plymouth 2010–2012

Technologies and Languages

- **Languages & Frameworks:** JavaScript, TypeScript, Python, Golang, PHP React, Vue, Next.js, Node.js, Django REST
- **Cloud & DevOps:** Google Cloud, Firebase, AWS, Docker, ElasticSearch
- **Tools & Libraries:** GraphQL, TailwindCSS, Sass, Knex, Prismic, Storybook, Vitest, Playwright, Fastify, Nest.js
- **Other:** Jira, Tempo, OWASP Security Principles, BigCommerce, PostgreSQL

Other Sections

Courses

- Practical System Design - Udemy
- Architecting with Google Kubernetes Engine - Google
- Docker and Kubernetes: The Complete Guide - Udemy

Interests

- **Interests:** Bonsai/tree cultivation (botany), distance running, community sports