



## About

**I'm a contract Software Engineer specialising in Javascript and NodeJS with expertise in user-centered design, visual design, interaction design, information architecture, accessibility and web standards.**

I have over seventeen years experience in both website design and software development. I am a data driven designer and developer, shaping user experiences based on research and analysis of quantitative and qualitative data. I combine this analytical approach with UI prototyping and UX experience to create visually engaging and highly usable products to industry accessibility standards.

## Achievements

- Worked on an international platform delivering value across 24 countries for a multi-billion pound retail company.
- Integrated internal systems with ReactJS and MaterialUI for a FTSE250 company with over £150M in order throughput each month.
- Worked across five blue chip organisations on migrations or greenfield React projects.
- Integrated CI/CD pipelines with Terraform in AWS on server-less technology for fulfilment chains in a large retail project with resilience to cope with over 15,000 orders a minute.
- Worked as a technical lead and architect, up-skilling six teams to deliver an eight figure software project for a household name.
- Reduced build and test times for a medium-scale startup from over 3 minutes to just 7 seconds, saving around 2 hours of engineering time per week.

## Experience

### **Kanexa** September 2023 - Present day

#### **Contract Lead Full-Stack Javascript Engineer**



- Worked across multiple projects using a mixture of Typescript, Node, NextJS, React, GoLang, Styled Components and Storybook.
- Led the UI function of an internal finance management tool.
- Planned, architected, built, deployed and managed governance on a centralised component library for use across multiple products.
- Built CI/CD pipelines using Github Actions and Azure Devops for the testing and deployment of artifacts and services.
- Integrated commit message standards to ensure automated deployment versions for both artifacts and applications using semantic releases.
- Architected and built a gated deployment strategy for Cloudflare Pages
- Assisted building containerised services for Kubernetes Clusters.
- Worked closely with product, design and the wider directorate to give regular updates on timelines, progress, limitations, issues and recommendations on practices to help drive and foster a better working collaboration between teams.
- Integrated automated tests suites for accessibility and code quality alongside tooling for testing and maintaining required standards.
- Architected and implemented a secure authorisation strategy using Azure Entra and OIDC.

### **Redkite** October 2021 - September 2023

#### **Contract Lead Full-Stack Javascript Engineer**



- Led the Front-End function on an internal data pipeline observation platform built with Typescript, React, GraphQL, Apollo, WebSockets, Styled Components and Storybook.
- Designed and architected a GraphQL solution over websockets with Apollo.
- Migrated separate repositories into a single, concise and easily maintained monorepo using Turborepo.
- Improved build processes and times, increasing performance and productivity using esbuild.
- Integrated CI/CD pipelines and build processes in Azure Devops.

### **Debut Careers** March 2021 - October 2021

#### **Contract Lead Full-Stack Javascript Engineer**



- Managed and worked on a new pivotal feature using machine learning to speed up student applications for roles utilising NodeJS, typescript, React (SSR'd with NextJS)
- Designed and built a resilient serverless stack in GCP to accommodate the new API's and front-end requirements.
- Maintained and manipulated data across multiple SQL and noSQL stores to help maintain and drive new functionality.

### **ModelDrive** November 2020 - March 2021

#### **Contract Lead Full-Stack Javascript Engineer**



- Worked on spreadsheet collaboration software utilising React, GraphQL, Apollo, WebSockets, Styled Components and Storybook.
- Ensured future-proofing and improved cycle speed by migrating to a centralised, component-based model and simplifying existing structures.
- Put forward architectural guidance to ensure performance and scalability on existing databases, services and connections.

# Experience Cont.

## Just Eat January 2020 - November 2020



### Contract Lead Full-Stack Javascript Developer

- Worked on all major Just Eat verticals including Home, Orders, Restaurants and Offers utilising VueJS, Vuex, .NET, and Sass transpiled with Babel 7 and bundled with Webpack 4.
- Contributed to the Just Eat open-source library utilising lerna and storybook published through private npm.
- Helped upskill existing teams on modern coding practices (ES6/ES7/Components/Vue).
- Worked closely with directors and stakeholders to align expectations and regularly feedback on progress across the teams.
- Assisted QE with testing approaches for E2E, component and unit tests.

## Boots August 2019 - January 2020



### Contract Lead Full-Stack Javascript Developer

- Worked on a greenfield eCommerce project utilising Server-Side Rendered React, Redux, Node, Express, Styled components, Storybook transpiled with Babel 7 and bundled with Webpack 4.
- Created and maintained NodeJS microservices built with Express and put forward planning for moving to a middleware strategy to aid reusability and centralisation.
- Started an internal PoC on GraphQL integrated with PostgreSQL to streamline and enhance existing microservices.
- Worked as a tech lead across five teams providing insight and guidance on ways of working, agile methodology, testing strategy, CI/CD strategy, development best practices and microservice architecture.
- Worked closely with directors and stakeholders to align expectations and regularly feedback on progress across the teams.

## Dunelm July 2018 - August 2019



### Contract Lead Full-Stack Javascript Developer

- Re-architected www.dunelm.com using Lerna, React (with server-side rendering), Redux, Node, Express and Emotion written in ES6/ES7, transpiled with Babel and compiled with Webpack.
- Architected and built back-office systems utilising AWS, Cloudformation, Lambda, SNS, SQS and API Gateway using NodeJS and Koa middleware in Typescript.
- Put forward guidance to aid the integration of GraphQL utilising AppSync and Apollo Client.
- Implemented a behavioural unit test library with Jest and React testing library with mock adapters.
- Integrated javascript automation tests with TestCafe and Browserstack.
- Integrated CI/CD pipelines in Jenkins and Docker in ECS.

## Experian September 2016 - July 2018



### Contract Full-Stack Javascript Developer

- Worked on four greenfield projects across four teams including customer servicing and price comparison utilising React, NextJS, Node, Express and Styled Components written in ES6/ES7, transpiled with Babel and compiled with Webpack.
- Integrated with RESTful Micro-Services utilising Axios and Isomorphic Fetch.
- Helped implement the initial workings of a component library with React components in Storybook.
- Worked on unit test integration using Mocha and Enzyme with mocks built in Fetchmock and SinonJS.
- Integrated with CI/CD pipelines in Jenkins and Travis.
- Implemented automation tests and visual regression tests using Nightwatch and BackstopJS.
- Aided teams with Agile methodology and strategy.

## Capital One January 2015 - September 2016



### Contract Full-Stack Javascript Developer

- Worked on a greenfield account servicing product utilising NodeJS, GraphQL, Angular, Gulp, NPM and Bower Integrated with RESTful Micro-Services utilising Axios and Isomorphic Fetch.
- Built an internal component system "OneUI" that was utilised across 100+ teams in the UK and US businesses.
- Worked closely with services teams to help craft RESTful API's.
- Upskilled other internal teams with brown bag sessions.

## Fifteen Design September 2013 - December 2014

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### Software Engineer

- Worked on over 100 responsive client websites including brochure sites and eCommerce stores utilising semantic HTML5, CSS3, PHP and jQuery.
- Regularly provided feedback to stake-holders on progress, efficiency and project profitability.
- Managed over 85 client accounts.
- Integrated git processes for better version control across the business.
- Implemented automated testing for performance, accessibility and code quality.