

Thomas Dowling

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WORK EXPERIENCE

Cerberus Tech

Senior Frontend Developer

Bournemouth, UK

Mar 2024 - Current

- Modernisation of core architecture: Migrated a large-scale React application from react-scripts to Vite, dramatically improving the build performance — reducing build times by over 80% and removing legacy dependencies that no longer served the evolving codebase.
- State management overhaul: Refactored the extensive MobX global store into a streamlined, modular architecture. Shifted logic into composable hooks, improving testability, maintainability, and overall clarity of state flow throughout the application.
- Custom application development: Architected and built a fully custom “Knowledge Hub” — a large React component with its own permission system, rich routing logic, and internal history tracking. Designed the system from the ground up, including content creation tools, granular access control, and an intuitive UX tailored to internal teams.
- Advanced dashboard builder using React Flow: Lead the development of dynamic, user-customisable dashboards using React Flow. Implemented drag-and-drop widget interactions, intelligent linking between components, and a robust undo/redo history system — enabling power users to configure complex layouts and data relationships with ease.

HonkHonk

Frontend Lead

Bournemouth, UK

Aug 2023 - Feb 2024

- Strategic frontend architecture planning: Spearheaded the establishment of frontend architecture for a new startup project, laying the groundwork for scalability and efficiency. Utilized NX (monorepo) and Next.js to create a robust and adaptable framework that would support the project's growth and development needs.
- Performance optimization: Leveraged React server components to enhance application performance, implementing cutting-edge techniques to optimize rendering speed and improve overall user experience.
- Leadership in technology adoption: Led the adoption of modern frontend technologies and frameworks, guiding the team in the utilization of advanced tools like NX, Next.js, and React server components, helping to facilitate the development of a forward-thinking and competitive product.

Daily.dev

Senior Frontend Developer

Remote, UK

Apr 2023 - Aug 2023

- Integral role in application maintenance and development: Contributed significantly to the ongoing enhancement and upkeep of a large-scale application, leveraging expertise in React within a monorepo environment to implement new features, optimize performance, and ensure seamless functionality across the platform.
- Following Test-Driven Development (TDD): Embraced a TDD workflow, actively participating in writing tests, conducting test-driven development cycles, and promoting a culture of quality assurance and code reliability, resulting in improved code maintainability and reduced defects.
- Collaboration in a complex ecosystem: Collaborated effectively within a multifaceted development environment, coordinating with teams, including designers and product owners to deliver high-quality solutions on schedule and drive continuous improvement in product performance and user experience.

Workshop

Senior Frontend Developer

Sherborne, UK

Aug 2022 - Apr 2023

- Leadership in frontend development: Took on the role of sole senior frontend developer, overseeing and managing all frontend tasks, including delegation to junior developers, scoping projects, and establishing coding standards to ensure consistency and efficiency within the team.
- Collaborative client engagement: Worked closely with account holders and designers to understand project requirements, aligning technical implementation with client expectations, and driving continuous improvement in UI/UX design to enhance user satisfaction and website effectiveness.
- Mentorship and team development: Provided guidance and support to junior developers, fostering their growth and proficiency in frontend development practices, while also promoting a collaborative and positive team environment conducive to innovation and learning.

Spike Global

Frontend Developer

Bournemouth, UK

Sep 2019 - Aug 2022

- AngularJS refactoring: working on refactoring the existing framework, optimizing codebase while leveraging TypeScript to enhance code quality and developer productivity.
- Expanded TypeScript knowledge: Developed an understanding of TypeScript while implementing it for the first time, actively contributing to codebase improvements and learning best practices to ensure robust frontend development standards and practices.
- Innovated framework research and implementation: Took charge of researching and evaluating new frameworks for version 2 of the application, playing a pivotal role in setting the initial groundwork for their integration, thus paving the way for enhanced scalability, performance, and future-proofing of the frontend infrastructure.

Liverpool Victoria

Junior Analyst Developer

Bournemouth, UK

Apr 2018 - Sep 2019

- Building a JavaScript foundation: Actively engaged in a dynamic learning environment to enhance JavaScript skills, contributing to the development and maintenance of web applications for a prominent insurance provider, thus bolstering technical expertise and adaptability.
- Immersed in Agile methodology: Collaborated within a structured Agile workflow, participating in sprint planning, daily stand-ups, and retrospectives, facilitating seamless communication and teamwork to meet project goals and deadlines effectively.
- Maintenance and support: Played a key role in the day-to-day maintenance and upkeep of existing web applications, troubleshooting issues, implementing updates, and ensuring continuous functionality to meet the evolving needs of the organization and its stakeholders.

Moore-Wilson

Junior Web Developer / Technical Project Manager

Salisbury, UK

Oct 2015 - Apr 2018

- Led end-to-end project lifecycle: Orchestrated client engagements from initial scoping and wireframing to development and deployment, ensuring seamless execution and delivery of Drupal CMS websites and web applications.
- Managed client relationships: Provided exceptional client handling throughout projects, serving as the primary point of contact and effectively managing expectations, feedback, and communication to ensure client satisfaction and project success.
- Technical oversight and coordination: Directed a team of developers in the implementation of Drupal-based solutions, leveraging technical expertise to guide development processes, troubleshoot issues, and ensure adherence to project timelines and quality standards.

EDUCATION

3AAA

Digital Marketing, Web and Social Media

Southampton, UK

Oct 2016

Avonbourne Sixth Form

3 AS Levels - Information Technology, Physical Education and Maths

Bournemouth, UK

Oct 2015

SKILLS & INTERESTS

Skills

JavaScript, TypeScript, React, Next.js, NX (monorepo), Test-Driven Development (TDD), Agile methodology, Frontend architecture, Client handling, Project management, Team leadership, UI/UX improvement, Performance optimization, Frontend SEO, Figma, SASS, LESS, Tailwind, MUI, Recoil.

Interests

Frontend development, frontend architecture planning, React Native, sports, gaming, camping.

REFERENCES

Available on request.