

WORK EXPERIENCE

ShipServ Software Developer (2022 - Present) (Typescript, React, NextJS, GraphQL)

- Tech lead for a team of 5 to deliver the "Supplier Vetting" project, which attracted many new clients to onboard onto the platform by offering large time saving potential for networking and admin.
- Migrated the legacy "IMPA Code Search" feature to the new platform, bring visual and performance improvements.
- Created an analytics dashboard for clients on the platform with complex filtering and visualisation tools.

AspectFS Freelance Software Developer (2020) (Typescript, React, Firebase, Jest)

- Created a platform to optimise face-to-face fundraising campaigns.
- Significantly cut running costs compared to the previous system by integrating more cost-effective API services, while retaining and extending functionality.

2Simple Software Developer (2020 - 2022) (Typescript, Vue, Jest, JQuery)

- Implemented major updates to all areas of the app "2Publish" - the 3rd most used app on the platform with over 1M hits/mo.
- Created a new app "PDF Annotator" for the platform, used by many teachers to create activity sheets and online homework assignments.
- Implemented a redesigned interface for the app "2Create A Story" - a popular app on the platform with 500k hits/mo.

UoE School of Engineering Intern (2019) (Vue, REST, Mocha, Chai)

- Built a more performant alternative to replace the database management tool used daily by HR.
- Extended and simplified existing features for a much-needed workflow improvement.

EDUCATION

Computer Science BEng Hons (First Class) University of Edinburgh

TECHNICAL SKILLS

Most Proficient: TS/JS, React, NextJS, GraphQL **Familiar:** Vue, Python, Java, C#, PHP

PERSONAL PROJECTS

WUFO Website (Typescript, React)

The landing page for my personal electronic music hobby, with build-in music player and links to releases and social media. wufo.uk

WebRTC Audio Share (Typescript, WebRTC)

A simple app to share audio between two users using serverless peer-to-peer web technologies. Shared audio is lossless and requires no infrastructure to facilitate, good for collaboration between remote musicians. rtc-audio.web.app

Randochord (Typescript, React)

A chord randomisation tool to help inspire writing chord progressions, with MIDI export. randochord.web.app

Infinite Rally (ThreeJS)

A 3D, web-based racing game built with ThreeJS, with procedurally generated rally stages and a focus on physics and car handling. infinite-rally.web.app

Malefiz (Barricade) Online (React, Firebase)

A real-time multiplayer version of the board game Malefiz (Barricade), with character customisation and an extended arcade mode. malefiz-online.web.app

Singleton State (Typescript)

A small state management library for React, with a focus on ergonomics and performance. npmjs.com/package/singleton-state-hook