Prithpal Sooriya
Software Engineer

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Dark Theme

Adept Software Engineer. Typescript Advocate. Love to learn new ideas/technologies/frameworks.
Currently interested in Static/Code Analysis & Next Generation Tools.

EXPERIENCE

Capita, Bristol - Software Engineer   Nov 2019 - Present

Built a large scale, multi-agent, emergency service Control Room Application (Desktop/Web) & Services.

`{ Typescript, React, Redux, CSS (SaSS), Webpack, C#/.NET, MySQL, MQTT/RabbitMQ }`

- Researched & Developed internal internationalisation guidelines. Created custom analysis tools (**ESLint** plugin) to uncover areas in our app that needed localisation & **reduced estimated size of feature by 75%**. Integrated with CI tool & pre-commit tools (**Husky**) to enforce developer standards.
- Led work on sections of Load & Performance, **largely reducing React/Redux processing time by 500%** (seconds to millisecond/s).
- Reduce bundle size by optimising our build tools (**Webpack**) & lazily load our React frontend. PoC'ed out Webpack integration/replacement with new build tools (**ESBuild/SWC/Vite/Snowpack**), **reducing build times by ~50% (Webpack Integration) - ~80% (Webpack Replacement).**
- Created advanced **TypeScript** types and utilities throughout the project (such as typed schema, typed resources, type narrowing) that found bugs; improved type-safety & provided confidence.

Fuell, Bath - Software Engineer   Jan 2019 - Nov 2019

Built a competitive fitness app for iOS/Android - integrating Garmin, Fitbit, Nike and many other apps & wearables. Worked with multiple other clients to create bespoke sites.

`{ Typescript, React-Native, React, Redux, CSS (Tailwind, CSS Modules), Express/Fastify, Mongo, Parse-Platform, GraphQL, Firebase (Firestore, Crashlytics/Analytics), AWS (Amplify, Cognito, AppSync, Lambda), Next.JS }`

- Introduced new technology like **GraphQL/Apollo/NEXT** for projects we took on - improving developer experience & delivering fast and incremental sites to clients.
- Developed internal analytical/creator dashboard to get information on leaderboards & publish events/competitions.
- Worked alongside Clubspark to deliver a CMS (**Strapi**) & booking system for football venues.

EDUCATION

Computer Science BSc (Hons) - 1st Class   2015 - 2019
University of the West of England, Bristol

- Accredited by the British Computer Society (BCS).
- Modules included in degree: OO Development; Artificial Intelligence; Data Structures & Algorithms; Enterprise Systems; Web/Mobile Development; Network Systems.
- 2016-2017: Peer Assisted Learning (PAL) Leader Certification.
- 2016-2017: Student Union Society Coding Club President.
- 2016-2017: Dean's Award for Academic Excellence.
- 2015-2016: Dean's Award for Academic Excellence.