CAMERON WATSON
Fullstack Frontend Developer

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Personal Statement

An adept and practiced Software Engineer with experience in various technologies - currently seeking a new role as a Frontend Developer to apply and grow his skillset. A highly passionate individual, whose technical and design ability has helped kickstart and grow systems of all kinds. Often lending my skillset across other teams and departments to provide added benefit, and integrate within a team ethos.

Key Skills

Proficiency with Dart and Flutter, for all platforms
- Experience with flutter state management solutions, such as Bloc particularly but not limited to; Riverpod, and Provider.
- Experience integrating REST APIs, and various backend services, into Flutter applications.
- Experience implementing clean architecture design patterns like MVC and MVVM, as well as techniques including but not limited to; dependency injection and SoC.

Proficiency with Git, and the usage of GitHub for version control.

Proficiency with GitHub Actions for CI/CD pipelines.

Proficiency with both Figma and Penpot for creating UI designs.

Other responsibilities have included developing desktop applications with C# using XAML-based frameworks like WPF, using Ignition to create a frontend for a SCADA system, and assisting with designing a Squarespace website.

Experience

***Software Engineer at Applied Integration/Applied Scientific Technologies** Stokesley, July 2020 - Present*

Due to being hired by a different department initially, my responsibilities and, as a result, the tech stack, have changed throughout my employment. After about a year, I expressed my interest in picking up some Flutter and design-related tasks in my downtime, which eventually led to the move from AI's Defence department to AST. Although, my work has predominantly revolved around application development of some sort throughout.

Achievements and responsibilities (in order):

- Created and maintained an in-house C# desktop application that generated PLC code. The existing workflow would include an engineer writing code by hand which could take weeks/months to complete.

- Developed features for, and maintained, a Flutter app which controls and digitises data from lab equipment using gRPC.

- As part of a project bid, I designed, developed a prototype, and presented a cross-platform Flutter application for use in the health and safety sector.

- Developed a Flutter desktop application, which provided live data oversight and control of various instruments and the results of algorithms which analysed their data. The frontend interfaced with a Python server on the backend and uploaded results to Azure Blob Storage.

- Designed screens, and developed a Flutter application, which allowed users to manage and operate Autonomous Mobile Robots (AMRs) from a tablet. The backend was written in Go, which collated and uploaded AMR data to Pocketbase (an SQLite-based backend service).

- Recently a decent part of my responsibilities has been mentoring two apprentices, one at college level and the other at university level respectively. I've overseen their learning of Flutter mainly and also helped manage an in-house project that they've been assigned. This has a Flutter frontend, which I designed and provided as part of the project spec for them to develop.