Craig Roberts

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SUMMARY

- Full-stack web developer
- Digital Transformation Manager delivering efficiency creating software
- Police officer with 11 years of experience
- Creative problem-solver with excellent communication skills at all levels
- Strategic leader who fosters a growth mindset and an environment of continuous improvement

SKILLS

Languages: C#, TypeScript, JavaScript, HTML, CSS
Technologies: .NET Core, ASP.NET Blazor, EF Core, React, Node, MySQL, MongoDB, Tailwind CSS, Git, MS Azure

PROJECTS

EBrief

https://github.com/craigrobertsdev/EBrief

A desktop application allowing prosecutors to have immediate access to information for court files, removing reliance on slow record management systems and inconsistent network access. Files are presented in the order they are listed by the court and divided by court sitting time. The prosecutor can make notes against each file which are stored on application close and retrieved when the list is reloaded. This application will save prosecutors hours each day and improve court outcomes by improving responsiveness to events in a busy court environment.

Developed using Blazor Hybrid, SQLite and TailwindCSS for styling. Court lists are parsed from word document files, or court file numbers are entered manually by the prosecutor. Relevant data retrieved from the prosecuting agency's servers and stored in a SQLite database on the user's computer for instant access. Court lists can be exported to an application specific file type and shared among prosecutors in case of roster changes on short notice.

- Role: Solo developer
- Technologies: Blazor Hybrid, WPF, Entity Framework Core, SQLite, TailwindCSS

TeachPlanner

https://github.com/craigrobertsdev/TeachPlanner-Public

A full-stack web application for classroom teachers to plan their lessons and manage their resources. Teachers will create an account and define their week structure before moving to plan lessons and upload resources. This application is based around the upcoming South Australian curriculum being introduced in 2025.

The user interface utilises Blazor WebAssembly to create a single page application with rich interactivity and connects to an ASP.NET Core Web API with JWT authentication. The API utilises Domain-Driven-Design practices for clear code separation. The curriculum is parsed from documents provided by the Department for Education and stored as domain models as the core of the application. This application is a work in progress.

- Role: Solo developer
- Technologies: Blazor WebAssembly, ASP.NET Core Web API, Entity Framework Core, MySQL, TailwindCSS

PhotoChute

https://github.com/craigrobertsdev/photochute | https://photochute.azurewebsites.net/

A cloud-based photo sharing platform that enables users to create groups and upload photos to collaborate with friends and family. Users can add their friends to groups they create, upload photos and download photos.

This is a full-stack application utilising the MERN stack (MongoDB, Express, React, Node) that uses a GraphQL API to enable efficient access to data. Photos are uploaded to the server where they are pushed to persistent storage using Microsoft Azure's blob storage. This application is containerised and hosted using Microsoft Azure App Service, allowing for continuous integration when changes are pushed to Docker Hub.

- Role: Project Manager
- Technologies: MongoDB, Express, React, Node, Microsoft Azure, GraphQL, Docker

PROFESSIONAL EXPERIENCE

Digital Transformation Manager   2024 – Present
South Australia Police   Adelaide, SA
- Leveraged software development skills to deliver digital solutions for Prosecution Services Branch to improve efficiencies and reduce redundancy. The EBrief application is in the process of being implemented and will save hours per day for dozens of prosecutors across the state.
- Business lead for all IT projects impacting prosecution business, providing expert domain knowledge to stakeholders.

Supervising Senior Prosecutor   2021 – Present
South Australia Police   Adelaide, SA
- Promoted to supervisor position in an under-staffed unit with significant back log of work. Set up processes to increase efficiencies and decrease double handling of tasks. In doing so, reduced outstanding work by 50% in a few months.
- Developed state-wide policy implementation of electronic court summons service saving operational police officers thousands of hours of work per year.
- As relieving Inspector, implemented strategic staffing plan to provide support to struggling regional unit, preventing stress related injury and improving service delivery to the courts.
- As relieving Senior Sergeant during period of significant staffing shortages, restructured part of the unit to combine pre-trial and trial functions to reduce double-handling of work. This has lead to a 40% reduction in trial listings.
- Delivered training to new prosecutors across all aspects of the prosecution function, appreciably increasing knowledge and confidence coming into the role. Am a trusted mentor for both new and long term prosecutors.

EDUCATION

Certificate in Full Stack Web Development   June 2023
The University of Adelaide, South Australia
- Collaborated on 3 web applications using JavaScript, HTML and CSS with client side, server side and database technologies

Advanced Diploma of Policing
TAFE SA, Adelaide, South Australia   2019

ADDITIONAL INFORMATION

Certifications: Microsoft Azure Fundamentals (AZ-900)   2022