Broderick Westrope

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EDUCATION

Western Sydney University Parramatta, NSW
Bachelor of Science in Computer Science *Dec. 2022*
- Dean's Merit List every year
- GPA: 6.23/7

TAFE St Leonards, NSW
Diploma in Programming Digital And Interactive Games *Dec. 2020*

EXPERIENCE

Software Engineer Nov. 2024 - Present
DroneShield *Sydney, NSW*
- Developing and maintaining the C2 suite of tools which uses Go, React, WebSockets, HTTP, and gRPC.
- Translating customer feedback into tickets with acceptance criteria.

Software Engineer & Consultant Dec. 2022 - Nov. 2024
Mantel Group *Sydney, NSW*
- Spearheaded projects with ASP.NET (C#) to architect, uplift, and migrate REST APIs.
- Implemented large-scale Go projects leveraging the Temporal durable-execution framework as well as gRPC and ConnectRPC.
- Actively contributing to the Go community through presenting at meetups and conferences, engaging in internal knowledge-sharing, and leading personal training sessions.
- Contributed to CI/CD pipeline development, authoring of technical documentation, and motivating TDD.
- Key driver of an internal project leveraging Azure DevBox, Azure Bicep & ARM templates, GitHub Actions, and Terraform for a cutting-edge Azure technology offering.

Software Engineer Jul. 2022 - Dec. 2022
MARCS Institute For Brain Behaviour & Development *Westmead, NSW*
- Spearheaded the development of a Unity and C# cross-platform application for Macular Degeneration treatment, driving the project to success amidst a team with limited technological proficiency.
- Implemented innovative features, including authentication, eye-tracking technology, and activity-based assessments, significantly enhancing patient diagnosis and treatment monitoring.
- Enabled data-driven therapy decisions by securely collecting and analysing user performance data, directly contributing to the application's adoption by health professionals for improved patient care.

PERSONAL PROJECTS

Tetrigo Nov. 2023 - Present
- An interactive TUI (Terminal User Interface) for playing Tetris in your terminal. Built using the awesome Bubble Tea framework created by Charm.

Eventurley Dec. 2023 - Present
- A full-stack cross-platform mobile application communication with RPCs, Protocol Buffers, and SSL.
- Web API built with Go, sqlc, PostgreSQL, and a Connect RPC server.
- Cross-platform mobile app built with Flutter (Dart), Riverpod, Firebase Auth, and a gRPC client.

Open Source Long Term; Ongoing
- In addition to personal projects, I enjoy contributing to a range of projects in the open-source community.
- My GitHub profile is up to date and provides insight into projects I'm currently interacting with. See the top for a link.

TECHNICAL SKILLS

Programming Languages: C#, Go, TypeScript, HTML/CSS
Frameworks & Libraries: ASP.NET Core, Temporal, Connect RPC, Vue 3, Blazor
Cloud & DevOps: Azure, AWS, Docker, GitHub Actions, Azure DevOps, Buildkite
Software Development Practices: Test-Driven & Cloud-Native Development
Database Technologies: PostgreSQL, MySQL, Microsoft SQL Server