

# Ben Chamberlain

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## About me

Passionate about solving problems and fueled by curiosity, I am dedicated to seeking out complex challenges and to work alongside talented people. I strive to pursue excellence and competency in everything that I do.

## Experience

### Full Stack Software Engineer

Mar 2022 – Feb 2024

*Tait Communications*

*Christchurch, NZ*

- Developed features and provided maintenance for an internet based, PTT radio solution.
- Created a full-stack web application with a frontend (Vue, JS, HTML, CSS), REST API (.Net Core, C#), cache (Redis), NO-SQL database (MongoDb) for clients to be able to make Voip to PSTN Calls, configure diversion rulesets and monitor system health.
- Worked in multiple domains of software development such as mobile apps(Maui, C#), web apps, containerisation (Docker, Kubernetes), cloud infrastructure (AWS), CI/CD processes, application servers/gateways (C++), testing strategies (Python), networking and IOT devices (C++, Python).
- Migrated the deployment from a cloud solution to on-prem with HA, SNMP and other features.
- Learned OOP and low-level developmental practices to ensure low latency performance in multiple event-based architectures.
- Applied tight security practices to meet clients high security requirements and mission critical compliance.
- Integrated our software solution with multiple APIs by collaborating across various sectors within a large engineering company and also with external software providers.

### Software Developer Intern

Nov 2021 – Jan 2022

*MyRaceLab*

*Christchurch, NZ*

- Built a mobile app (TypeScript, React-Native) to record all phone sensor data, interface with a vehicle ECU via ATT commands and strip data from multiple GPS devices via bluetooth.
- Worked independently on research and development for a car racing assistant startup to extract all available sensor data from different devices.

### Poker and Blackjack Dealer

Oct 2018 – Oct 2019

*Christchurch Casino*

*Christchurch, NZ*

- Excelled in performing mental arithmetic in high stakes and stressful environments.

## Passion Project

### Beacon

Nov 2019 – Jun 2020

- Led a small startup team on an application with an innovative take on a social media/event app (Firebase) that aimed to change the nature of invites from DM's to broadcasting.
- Developed a comprehensive launch roadmap and brand design, providing significant insights into product development and user-focused growth strategies.

## Interests

Football (competed in Central North Island 1st division), Boulder/climbing (Melbourne food has been making this hard..), hiking, squash, games (of any sort), and guitar.

## Education

### University of Canterbury

Christchurch, NZ

*Bachelor of Science Major in Computer Science, Minor in Mathematics*

*Graduated Jun 2021*

## Skills

**Languages:** C#, C++, Python, JavaScript/Typescript, HTML/CSS, SQL, xaml, Dart

**Frameworks/Libraries:** Vue.js, React.js, ASP.NET core, Maui/Xamarin-Forms, Flutter

**Databases:** MongoDB, Redis, Firebase

**Developer Tools:** Git, GitLab CI/CD, Docker, Linux, VS Code, Visual Studio

**Testing Tools:** GTest, GMock, Fakelt, Cypress, NUnit, Behave

References available on request.