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Development Blog

# Cameron Taylor – Full Stack Developer

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- 3 years of experience as a full stack developer.
- Designed, developed, and brought to production various products.
- Developed frameworks for cross network communication between enterprise applications.
- Published several open-source modules on GitHub.

## Education

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**University of Waikato, Hamilton, NZ**

*13 December 2017*

Bachelors of Computer and Mathematical Science

- Extremely Parallel Programming
- Design and Analysis of Algorithms
- Database Practice and Experience
- Cyber Security - Surveillance and Accountability - Computer Communications - Artificial Intelligence Techniques and Applications - Mobile Applications - Operating Systems - Software Engineering Techniques - Human-Computer Interactions

## Skills / Tools

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- Programming Languages – C#, VB, Java, HTML, CSS
- Databases – SQL Server, MySQL, Dapper, Entity Framework
- Frameworks – .NET framework, .NET Core, Amazon Web Services, Blazor, Bootstrap, Lucene
- Architectural Patterns – Model View Viewmodel, Model View Controller, Server Side Rendering, Inversion of Control
- IDEs – Visual Studio, Visual Studio Code, SQL Server Management Studio, Postman
- Graphical Editors – Paint.NET

## Experience

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**COMSOL (Computer Solutions .Ltd)**

*January 2018 – Current*

- Designed, developed, and brought to market backend TCPIP network infrastructure (and partial work on front end mobile app) for real time data synching between Desktop and Mobile workshop management systems.
- Developed and brought to market VB .NET Quoting Application. - Reverse engineering and replatforming of 10+ year old c++ rich text document merging engine in C# .NET.
- Developed C# .NET .dlls to bring new functionality to legacy VB6 enterprise application.

- Designed and developed ASP.NET web API and WPF front end applications for replatforming legacy VB6 enterprise application.

### **Waikato Ethnic Family Service Trust**

*October 2017 – January 2018*

- Designed and developed a customer database, and interfacing tools. - Designed MySQL database for storing customer information, and developed ASP.NET web API for interacting with it. - Designed and developed web Front-end for managing customer information in Javascript, HTML, and CSS - Worked as a solo developer managing the project with a 3 month time frame for completion.

## **Personal Projects**

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### [JamLite](#)

Simple TCPIP based network library designed to simplify implementation of TCPIP application development in .NET.

- Asynchronous, thread safe, non-blocking operations.
- Events and event hooking.
- .NET memory marshaling.
- .NET TCPIP networking.

### [Development Blog](#)

Blazor website written in .NET using Bootstrap front end and server side rendering techniques.

- Inversion of Control, and Dependency Inject.
- Blazor, and Bootstrap practice.
- Json object serialization.
- Platform for personal project planning and documentation.

### [Alchemist Online](#)

Idle game based around exploring for alchemical ingredients and crafting them into potions.

- ASP.NET Core.
- Entity Framework Core.
- ASP.NET Web API.
- Angular JS.
- Material Design.