William Cable­

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| *Full Stack Developer*  *Perth, WA*  *Full Working Rights and Residency in Australia* | *will\_cable@hotmail.com*  *www.linkedin.com/in/william-cable 0410697985* |

William is a Full-Stack Software Developer approaching the end of his nearly two-year learning journey and is currently enrolled in the UWA Full-Stack Web Developer Bootcamp. He has previously studied the C++ programming language whilst working overseas for a large mining company, and his interest in web-development has eventually led him to the Full-Stack development space.

He is passionate about creating elegant solutions to complex problems that are driven by the needs of the users and are easy to use.

William understands the need for continuous learning and development which motivates others to think outside the box and pursue the answers that we may not see straight away.

**Objective**  
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To obtain an entry-level software development role where I can contribute within a strong team and learn from experienced professionals.

**Academic  
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**UWA Full-Stack Developer Bootcamp (Certificate)**

* Perth, WA
* Computer Science Applied to JavaScript | Browser Based Technology | Deployment/CLI Fundamentals | Java | API Interaction | Databases | Server-Side Deployment | Quality Assurance
* Ongoing

**Udacity C++ Developer Nanodegree Program (Certificate)**

* Online
* Foundations | Object-Oriented Programming | Memory Management | Concurrency | Capstone Project
* Completion January 2023

**Curtin University**

* Perth, WA
* Bachelor of Commerce (Finance and Management)
* Completion July 2019

**Full-Stack Projects  
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**Cyber-Fridge (Group Project)**

<https://github.com/Cableman687/cyber_fridge> | 17/03/2023

* An application that allows a user to view, add, delete, and update ingredient quantities and recipes in a virtual fridge environment.
* JavaScript | HTML | CSS | Node.js | MySQL2 | Sequelize | Express.js | Bootstrap | Handlebars.js

**Tech Blog**

<https://github.com/Cableman687/tech_blog> | 10/03/2023

* An application that allows a user (or several users) to post, delete, and update blogs to be viewed and commented-on by themselves and others.
* API Development | ORM | MVC | Handlebars | Serialization | Partials | Sessions | Session-Storage | Authentication | Middleware | Express.js | MySQL2 | Heroku

**SQL Employee Tracker**

<https://github.com/Cableman687/employee-tracker> | 17/02/2023

* An application that allows users to track employees, roles and departments within an organisation, as well as create new entries and update existing ones.
* MySQL2 | Express.js | Node.js | NPM Enquirer | Database Management

**Server-Side Note-Taker**

<https://github.com/Cableman687/note-taker> | 13/02/2023

* An application that allows the user to create and manage notes in a server environment to keep track of ideas, lists and other text bodies.
* API Development | Express.js | Node.js | Data Exchange | CRUD | Data Persistence | HTML Routing | Express Middleware(s) | Heroku

**C++ Projects  
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**Concurrent Traffic Simulation**

<https://github.com/Cableman687/concurrent_traffic_simulation> | 05/01/2023

* A traffic simulation that uses a thread-safe communication protocol to communicate between each vehicle and intersections they encounter.
* Promises & Futures | Threading | Tasks | Mutexes & Locks | Condition Variables & Message Queues

**Capstone Project (Snake Game)**

<https://github.com/Cableman687/snakeGame> | 19/01/2023

* A recreation of the classic Snake Game, with the addition of ‘acid’ as a consumable item and implementation of course concepts.
* Loops, Functions, I/O | OOP | Memory Management | Concurrency

**Memory Management Chatbot**

<https://github.com/Cableman687/Chatbot> | 11/08/2022

* An application that accepts a question from a user about aspects of memory management, and outputs a best-fit answer using the Levenshtein Distance Algorithm.
* Stack vs. Heap Memory Management | Move Semantics | Smart Pointers

**Linux System Monitor**

<https://github.com/Cableman687/System-Monitor> | 05/07/2022

* Create a program that reads system information from a Linux operating system, structures the data, before parsing, formatting and generating an output to the user terminal.
* OOP | Encapsulation & Abstraction | Constructors | Mutators | Static Elements | Composition | Polymorphism | Inheritance | Templates | Parsing

**Route Planner**

<https://github.com/Cableman687/Route-Planner> | 04/05/2022

* Establish a route between two points on a real map using open-source street map data and the *A\* Search* algorithm.
* C++ Basics | A\* Search | Multi-File Programming | Pointers & References | Classes | OOP | CMake & Make

**Professional**  
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**Genus Plus Group Ltd. (2021-Current)**

* Project Coordinator
* Perth, WA
* A stepping-stone role intended to prepare an individual to become a Project Engineer, and eventually a Project Manager
* Key responsibilities include:
* QMR (Quantity Manhour Report) Management
* Cost Controls and Finance Management Support
* Tools Development using Excel and Appenate
* Scheduling Support and Tracking
* Report Building
* Working across all facets of project management, including but not limited to:
* Procurement
* Project Controls
* Finance & Accounting
* Engineering
* Construction

**First Quantum Minerals Ltd. (2020-2021)**

* International Graduate Program (18 months)
* Solwezi, Zambia
* FIFO (10/3) at a Copper Mining Operation
* Served in several roles, including but not limited to:
* Project Manager/Coordinator
* Contracts Analyst/Assistant
* Optimisation Officer
* In Area(s):
* Mobile Maintenance
* Projects
* Logistics
* Contracts
* Construction

**Vita Group Ltd. (2017-2019)**

* Sales Consultant
* Perth, WA
* This role required the ability to consult both consumer and businesscustomers daily, to assist the client with their telecommunication needs.

**Technical & Job Skills**  
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* Web Front-End
* *HTML5, CSS3, JQuery, JavaScript, Bootstrap, MVC, Entity Framework*
* Web Back-End
* *MySQL, MongoDB, Express, React.JS, Node.js, Handlebars, Webpack*
* C++ Programming Language
* Data Analysis and Management
* Working with datasets/spreadsheets with >1,000,000 data points. Interpreting, packaging, and presenting information to key stakeholders for action.
* High Levels of I.T. Literacy
* Appenate (App. Building Software)
* Magaya (Supply Chain Software)
* Pronto Xi (Inventory/Asset Management Software)
* M.S. Office Suite
* Project Coordination and Management Skills  
  - Scheduling, Cost Management, Reporting, Data Analysis etc.

**Core Experience**  
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* Kwinana Battery Energy Storage System (KBESS)

Current work as a Project Coordinator in the building of a battery solution for the greater South-West region. The project hopes to provide a solution to the infrastructure stresses arising from the growing electrical consumer market and bring Perth closer towards a sustainable energy future.

* KML/FQMO Merge 2021  
  Coordinated the merge of all inventory from our sister company ‘FQMO’ into the KML mine site. This required the shift of approx. $3m in stock both physically and digitally with all associated processes. The project was led by myself up until the warehouse build stage, at which point the designs were handed over to our construction team for action. Fully designed, measured and planned by myself in alignment with the needs of the stakeholders.
* Bagging 2020

Established and managed the Bagging Project of 2020, bringing in approx. $100m in revenue for 2020 before tax. This project was founded in response to 2 of our 5 in-country smelters shutting down due to COVID. ‘Bagging’ was introduced so that we were able to export our product to foreign smelters via. Air and sea freight, thus maintaining similar cash flows to pre-shut down state.

* Inventory Optimisation  
  Optimisation of approximately $80m in stock held in our primary warehouse. Working with the plant maintenance team to review stock on-hand, commitments, and usage history to determine optimal min/max values for each item. Between February and November 2020 saw a reduction of $40m in inventory value, marking the first negative growth in inventory value since mine inception.
* Explosives & Haulage Tender creation and adjudication  
  Tasked with drafting the Explosives and Concentrate haulage Tenders, worth approximately $12m and $500m respectively over their 3 and 5-year term(s). Both required working with all internal stakeholders to collect information for their manifestation, as well as external stakeholders (bidders) upon Tender release.

**Volunteer Placements**­­­­­­**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Curtin University**

* Mentor

Oversight of the school-university transition for 16 students into the Curtin Business School. This involves a continuous stream of communication and support for students, as well as addressing any inquiries they may have concerning their course or university experience.

* Curtin Business School Student Consultant

A role requiring consultation with peers on a range of topics related to the Curtin Business School and their experiences. Individually, consultants monitor the general satisfaction of students using email surveys and peer-to-peer interaction. The information is then gathered and discussed during monthly meetings. As a body, we seek suggestions for modification and improvement to current CBS practices that are of a concern or detriment to students.

**Interests  
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**Programming**

* C++ & Full-Stack Development

**Gaming**

* From which my programming interest began, with a particular interest in games that require procedural generation and AI systems in-order to create player content in a way that is impactful. I hope that my programming career eventually crosses paths with this interest.

**Exercise & Fitness**

* Health is important for all aspects of personal and professional development. I believe that to be healthy is to be the best version of yourself.

**Referees  
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