# Jesse Hoppo

Greenock SA, Australia | 0400 161 452 | jesse.hoppo11@gmail.com | linkedin.com/in/jesse11 | github.com/Jesse-11

## Education

**BACHELOR OF SOFTWARE ENGINEERING (HONOURS) | 10/2026**
The university of Adelaide | Adelaide, SA
- Major: Smart technologies ( Artificial Intelligence, Micro controller )
- Relevant Coursework: Data Structures, OOP, Web & Database, Computer systems

## Experience

**BOTTLING OPERATOR | SANECTOR & YALUMBA | JUNE 2023 - PRESENT**
- Conducted wine unloading and palletizing of international and Domestic containers up to and exceeding costs of **$1 million** per.
- Ensured correct packaging of products while palletizing, **reducing errors by over 50%** including box correctness, MOR correctness, General pallet requirements etc.
- **Assisted managers** with quality and production **process improvements**; including introduction of simplifications and new procedures to streamline production and reduce product errors.
- **Trained** new hires on general production duties and company procedures including machine operation, depot requirements, palletizing duties and health & safety standards.

## Personal Projects

**MEDICAL SYSTEM PROTOTYPE |** C++, QT, GIT, MVC, MULTI-OS, MAKE, UBUNTU
- **Lead** a small group of 4 creating a **multi-os C++ GUI application**.
- Managed production requirements and deliverables through **GIT and JIRA**, including **feature branches, pull requests** and more.
- Researched and documented production requirements including the use of **MVC Archetype**, supporting group members new to C++ and QT.

**FULL STACK VOLUNTEER WEB APP|** VUE.JS, MYSQL , AJAX, GIT, NODE, DOCKER, REST, API
- Integrated a robust **REST API** for various requirements including user login/signup through social media and email, weekly newsletter updates and **social media post integration**.
- Incorporated **asynchronous** behavior using AJAX, Vue and HTTP requests to **reduce load times by over 60%** and increase user engagement.
- Utilized **MySQL** to create a self-made functional user database, including account management, user authentication, password hashing and more.

**STOCK EXCHANGE API |** C++, API, OOP, GIT, CMAKE
- Implemented **API endpoints** from ALPHA VANTAGE focusing on correct data parsing and error handling.
- **Refactored** code during production to **reduce application load** and data processing to **below 0.2ms,** as required by similar niche applications.
- Created a thorough user management system using **OOP** and **SOLID** principles.