

Josh Jeffers

Fullstack Developer • Penultimate Software Engineering Student

PERSONAL

I'm obsessed with type safety, figuring out how things work, and pushing the boundary of languages to do strange and wonderful things.

EXPERIENCE

Orion Health — Software Engineer Internship

NOVEMBER 2022 - PRESENT, Orion House, 181 Grafton Rd, Grafton, Auckland

- Worked in an **agile environment** as part of a team of software engineers on [Forms](#), a configurable digital solution for capturing patient information.
- Used **React** and **Typescript** to modernise the standalone entry point to Forms for clients that don't have a Patient Portal.
- Assisted with the **internationalisation** of Forms, including the considerations that must be made when websites are viewed with right-to-left languages and how to properly **localise** products for different countries.

Web Development Consultancy Club — Backend Developer

APRIL 2022 - NOVEMBER 2022, University of Auckland

- One of **9 volunteers** that worked in an **agile environment** using **Scrum** practices to create a web application for the Albert-Eden Youth Board using **MongoDB, Express, React, and NodeJS**.
- Developed an **Express API** that allows clients to access data from **MongoDB**.
- Created the request authentication middleware using **JWT**.

PROJECTS

Cornercutter — Typescript, React, Rust, Tauri, C#

<https://github.com/franomai/cornercutter>

- A **desktop application** that acts as a modding client for the game [Going Under](#).
- It allows for **complete customisation** of skill spawns within the game as distinct mods which can be shared as small strings other users can import.
- It has been used for over **150 hours** by users in **5 different countries**.

Quiz Bot — Java, Spring Boot, Derby, JQuery, Thymeleaf

github.com/pumbas600/Halpbot-v1 • github.com/pumbas600/HalpbotDashboard

- A Discord quiz bot using my custom framework **Halpbot**.
- As of November 2021, there were **131** unique questions, **115** unique users, **1256** quizzes started and **5088** questions answered.
- Created a web app that allowed users to easily add to the **Derby database**.
- Users found it to be an **extremely useful** and **accessible** studying mechanism.

Portfolio — React, Typescript, Tailwind CSS

github.com/pumbas600/E-Portfolio • <https://pumbas.net>

- My digital portfolio was created as an opportunity to apply my **React** skills.
- **Tailwindcss** enabled me to easily make the website support devices of various sizes and streamlined the dark/light mode styling process.
- **Next.js** was leveraged for static site generation at build time.

pumbas.net

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EDUCATION

Bachelor of Engineering (Hons) Software Engineering

2021 - 2024, University of Auckland

Cumulative GPA: **8.9/9.0 (A+)**

ACHIEVEMENTS

2022

- First in OOP in Java (SOFTENG281).
- First in Software Design (SOFTENG206).
- **Dean's Honours List** — Awarded to students in the **top 5%** of their year.

2021

- **Dean's Honours List** — Awarded to students in the **top 5%** of their year.

2020

- Petit Rosebowl DUX — Awarded to the **top academic student** in year 13.
- First in Year 13 Chemistry.
- Joint First in Year 13 Calculus.
- Joint First in Year 13 Physics.

RELEVANT COURSE WORK

- Fundamentals of Database Systems.
- Operating Systems.
- Human Computer Interaction.
- Object Oriented Programming in Java
- Software Engineering Theory
- **Data Structures and Algorithms**
- Software Quality Assurance
- Mathematical Modelling

SKILLS

- Java
- Typescript
- Javascript
- C#
- Python