Resume – Joel Mainey

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Career Objective

I chose a career in software development because of my lifelong fascination with computers, which began at a young age. As I grew older, this interest evolved into a passion for designing and creating websites and apps.

I want to be involved in mobile or website development, I like designing, coding, and testing applications.

When I am not writing code, you can find me going for a hike up one of the Bay of Plenty's mountains, gaming or reading a book.

Skills Summary

Communication Skills
I have worked on many group programming projects during my time at Toi Ohomai and have developed good communication skills with team members, tutors, and clients.

Problem solving
When faced with a problem I will investigate the underlying cause and seek possible solutions. My problem-solving skills have helped me complete all my assignments to high standards and submit them on time.

Programming
My favorite languages to program in are front-end JavaScript frameworks such as React, Vue.js for websites and .NET frameworks such as .NET Maui for mobile applications. I have used both (React) and (.NET Maui) to deliver products to clients.

Experience Summary

Packer – Trevelyan's Pack & Cool   **2020**

Cleaner – Asbestos Solutions   **2017 - 2018**

Education

Bachelor of Applied Information Technology at Toi Ohomai   **2021 – present (Graduating 2024)**

Azure AI Fundamentals (AI-900) at Microsoft   **2023**

NCEA Level 3 at Hamilton Boy's High School   **2015 - 2019**

Detailed Experience

Packer – Trevelyan's Pack & Cool   **2020**
During the first wave of covid-19 lockdowns I went and worked in a packhouse for the kiwifruit season (3 months). Activities included packing kiwifruit and helping in the other departments if needed (tray lining, stacking).

Cleaner – Asbestos Solutions   **2017 - 2018**
When I was in High school, I picked up a part-time job as a cleaner. I was responsible for vacuuming the carpet, moping hard flooring, and taking out the rubbish.

Technical Skills

.NET Development
- Gained experience with .NET Maui throughout 2023 and 2024 by developing phone apps for clients.
- MVVM Architecture was learned during this project.
- Communication Skills were used with team member, tutor, and client.

C# and XAML
- From making multiple phone applications for clients during 2023 and 2024 I have gained an understanding of C#.
- XAML is the markup language used in .NET, I used it to incorporate my designs into the applications.

Front-end Development
- Experienced in HTML, CSS, and JavaScript from taking on projects for classes at Toi Ohomai.

Other languages I have used: React, Vue.js.

Project Experience

Hukutaia Domain app at Bay Conservation Alliance   **2024**

Me and Hugh were contracted by Bay Conservation Alliance to make a phone app that includes a digital walk around a popular walking track and a plant list that tells users about interesting plants on the walk. The app is meant to be used while people are walking the track to add to the experience by educating people through images and text. This was a 2-person group project.
   Key tools / skills
- Weekly standups
- Communication with client
- Github for version control
- Figma for design

Tiwaiwaka Plant list website at Toi Ohomai   **2023**

This website was also created for Bay Conservation Alliance to host a collection of plants for a site out in the bay of plenty. It was built using React as the frontend and connects to a Firebase database which hosts plant information. This was a 2-person group project (Me & Hugh)
   Key tools / skills
- React
- HTML/CSS/JavaScript
- Firebase Database

Interests

I recently got my restricted driving license back in February of this year and have enjoyed taking my car for a drive to local walking tracks (preferably mountains or hills) and hiking them for physical exercise 3 times a week, other than that I love gaming, my current favorite is "Baldur's Gate 3".