

# Hamish McDonald

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I am a passionate junior software developer with a focus on web development. My interests span the entire software development lifecycle, from planning and coding to deployment and operations. Entrepreneurship and value creation are inspiring to me. I am always eager to learn new technologies to optimise my projects and workflow. Overall, I am a hardworking and dedicated software developer who is committed to delivering auspicious results.



## Software Development Skills

- Development using Python, Java, JavaScript, HTML, CSS, NodeJS and C#.
- Building, designing and querying SQL databases.
- Foundational understanding of specialist level pure mathematics, discrete mathematics and cryptographic engineering and design.
- Experience working in an agile development environment.
- Experience using cloud computing services (AWS and Azure).

## Experience

### Contract Web Developer at Greek on Soul – Surfers Paradise

March 2023 – July 2023

My contract with Greek on Soul was to build a 5-page website for a restaurant using React, Typescript and Vite. The website includes functionality for making bookings, placing orders, viewing menus, contacting the restaurant, displaying information about the restaurant like its location/staff, and purchasing gift vouchers. I developed abilities in many of the main React paradigms such as React Router DOM, hooks, and components through the course of the project.

A key aspect of the job was to communicate the process of developing the website to non-technical stakeholders such as the owner, staff, graphic designer and marketing team. My role as software developer required me to coordinate the different stakeholders to ensure the website was finished in a timely manner and to a high standard. Being able to work directly with the customer was one of the most rewarding aspects of the project. In addition, it was highly motivating to know the finished project would provide tangible value to users.

## Intern Software Developer at Euclidean – Fortitude Valley & Milton

October 2021 – March 2022

My work at Euclidean centred around two projects. The first was a web app designed to support our professional services team to showcase the features of udStream, Euclidean's core product, through a new web-based JavaScript API. The second project was a 3D model of the milky way galaxy, plotting and colourising 1.7 billion stars with data collected from the Gaia space observatory. I built upon my programming skills in many important ways including learning web development, testing, and debugging; understanding network and hardware constraints; software paradigms for modelling 3D geospatial data; some astrophysics; and continuing to develop my understanding of conventional algorithms, data structures and software development best practices.

## Receptionist at YHA Brisbane City – Brisbane CBD

October 2022 – Present

- Checked-In guests and provided information about the local area and hostel over the phone, web and at the reception desk.
- Worked with other receptionists as a team to manage rooms and bookings in a hostel which can accommodate over 400 people.
- Trained new receptionists on YHA policy, Vostio and Mews – the booking management software used at reception.

## Team Member at Grill'd Healthy Burgers – Brisbane CBD

November 2019 – November 2021

## Food Service Team Member at KFC - Kelvin Grove

November 2018 – November 2019

## Academic Achievements

- Diploma of Information Technology (Front-End Web Development/ Back-End Web Development) at TAFE Queensland
- Year 12 and Senior Certificate at St. Josephs College Gregory Terrace

## Extracurriculars

- Premier Touch Westend Touch Rugby League Quater-Finalist (2023)
- Premier Touch Bardon Touch Rugby League Semi-Finalist (2022)
- UQIC Touch Rugby League Finalist (2022)
- GPS Swim Team (2017 - 2018)