

Joshua Browne

Software Engineer

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Available : Full-time 13/11/23 to 26/2/24 (flexible end)

Work Experience

Software Engineer/Head of Robotics | Simply Coffee Ltd

December 2020 to Current (2 years, 10 months)

Robotics and Software Development

- Spearheaded the development and implementation of a robotic automated packing and order fulfilment system for coffee capsules.
- Architected a Python-based system to seamlessly integrate Shopify orders, preparing them for robot-assisted packing, resulting in efficient and error-free order fulfilment.
- Consistently introduced innovations to enhance system capabilities; notably reduced robot's packing time by 50% by optimizing its bulk packaging operations.

Web Development (Full Stack)

- Optimized the customer journey and enhanced user experience.
- Implemented security protocols and best practices to safeguard customer data and ensure safe transaction processes.
- Integrated with Shopify API to lockdown our discount system and only allow eligible customers to redeem discounts
- Collaborated with marketing and design teams to ensure branding consistency and to implement features that boosted sales conversions.
- Maintaining our custom internal order management platform, which pre-processes and manages orders before they reach the Robot.

Relevant Skills

Technical Skills

- Python
- DevOps
- Java
- Javascript
- C#
- Embedded C++
- MySQL and Firestore Databases
- Microsoft Azure
- Git

Soft Skills

- Bridging tech & non-tech communications
- Understand User Requirements
- Problem-solving & innovation
- Rapid technology assimilation
- End-to-end project management
- Adaptability in dynamic settings

Key Responsibilities:

- Oversaw the end-to-end development of the robotics system, from initial concept to successful deployment.
- Managed, mentored, and coordinated tasks for myself and another developer, ensuring timely delivery of project milestones.
- Collaborated with cross-functional teams to gather requirements and provide technical solutions.
- Optimized system processes, leveraging data-driven techniques to enhance performance and reduce costs.
- Explored and incorporated new technologies to keep the system on the cutting edge, ensuring sustained business growth and competitive advantage.

Site Reliability Engineering (SRE) Intern | DDSIT

February 2023 to July 2023 (5 months, part-time)

- Researched and Tested the best ways for our team to study for Microsoft Azure Certifications. Helping DDS IT achieve their solution partner status with Microsoft.
- Spearheaded a full overhaul and update of all Internal Documentation. Including migrating hundreds of wiki pages between Azure DevOps Wikis.

Education History



Studying Software Engineering | University of Auckland

Future class of 2025

- Current GPA of 8.66 out of 9
- Deans Honours List 2022
- Deans Honours List 2021



NCEA Level 3 | Elim Christian College

Class of 2020

- Prime Minister's Vocational Excellence Award
- Graduated one year early
- 1st in Digital Technologies

Certifications

Microsoft Certified:

- DevOps Engineer Expert
- Azure Solutions Architect Expert
- Azure Virtual Desktop Specialty
- Azure Network Engineer Associate
- Azure Administrator Associate
- Azure Fundamentals

Other Certifications:

- HashiCorp Certified: Terraform Associate (003)
- ITIL v4 Certified

Interests

In my free time when I'm not programming or studying, I love hanging out with my partner, family and friends.

I love travel, adventure and the outdoors. From fishing and diving to tramping and mountaineering.

Staying fit and healthy is a big part of my lifestyle.