

CALEB BUCKLEY

About Me

Hi! I'm Caleb, and I'm interested in software engineering, systems architecture, and cybersecurity!

To see more about me, [click here](#) to see my portfolio website

Contact Me



(+64)21 0727 534



cbuckley021@icloud.com



Franklin District, Auckland.

Skills & Experience

- Project Management
- Atlassian Jira
- Git Version Control
- Linux & Windows
- Java
- React
- Node.js
- JavaScript
- PHP
- CSS
- HTML
- PostgreSQL
- MySQL
- Operating Systems
- Communication
- Leadership
- Data Structures and Algorithms
- Software Design Principles
- Network Configuration
- Network/System Administration
- Docker
- Virtualisation
- Active Directory
- Kali Linux
- Wireshark
- Information Security
- Problem Solving

Links



<https://buckley.netlify.app>



<https://github.com/buckl3y>

Experience

- **Insite Technology - Computer Technician**
Takanini, Auckland - Part-time
June 2023 - Current
 - OS Deployment and secure disk erasure.
 - PC/Enterprise refurbishing, servicing and repairs.
 - Exposure to Vocus Data Centres and Insite's private cloud service.
- **Outlier - Human Feedback AI Training**
Remote - Contractor
October 2024 - Current
 - Write and evaluate code to test the model's capabilities.
 - Assess the model's API calls on performance, suitability, and quality.
 - Review and refine responses for linguistic quality.
- **Specsavers Pukekohe - Optical Assistant / Supervisor**
Pukekohe, Auckland - Full-time
June 2019 - June 2023
 - Offered outstanding customer service over the phone and in person.
 - Facilitated an automated SMS appointment reminder system increasing revenue.
 - Diagnosed and resolved IT issues.

Education

- **Auckland University of Technology (AUT)**
Bachelor of Computer and Information Sciences
Enrolled Feb 2023 - Graduate November 2025
Double Major in Software Development and Networks & Cybersecurity.
- **CCNAv7 Switching, Routing, and Wireless Essentials**
Completed June 2024.
- **CCNAv7 Introduction to Networks**
Completed June 2024.

References

- **Maheep Ichipuni - Store Director**
Specsavers Pukekohe.
021 234 3251
dir.pukekohe.nz@specsavers.com

Projects

ToothMate Pro

Toothmate Pro is an ongoing AUT Research and Development project. It aims to deliver a software product that will improve the efficiency of dental practices, and the overall dental health of New Zealand.

Skills Used

- Project Management
- React
- Node.js
- Three.js
- MySQL
- Tailwind CSS
- Docker

GPS System

As a passion project, I built a simplified GPS tracking system using microservices to handle simulated locational data. JSON messages flow through a RabbitMQ queue into a PostgreSQL database, with the entire system containerised in Docker.

Skills Used

- Container Orchestration
- Microservices
- Java
- PostgreSQL
- Message Queues
- JSON

Virus Simulator

Developed a Java application that simulates virus transmission using multi-threading, with a GUI to visualise the spread in real-time.

Skills Used

- Java
- Data Structures and Algorithms
- Multi-Threading
- GUI

Windows Server VM Network

Configured a virtual Windows Server environment to manage many Windows endpoints using Active Directory. Each endpoint received a private storage volume, and shared volumes were configured with controlled access permissions across the network.

Skills Used

- Virtualisation
- Windows Server
- Active Directory
- System Administration
- Networking
- DNS and DHCP

xv6 risc-v Linux

Built upon a xv6 RISC-V Linux OS image, by implementing new system calls including a `ps` command, `lseek` functionality, and custom methods for CPU scheduling, pipe operations, and read/write semaphores.

Skills Used

- Linux
- Operating Systems
- Virtualisation
- System Calls
- Memory Management
- CPU Scheduling
- Process Management