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

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📍 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/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 resolvedb IT issues.

Education

AUT **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