CALEB BUCKLEY

About Me

Hi! I'm Caleb, and I'm interested in software engineering, systems architecture, and cybersecurity. I have a strong academic foundation in software engineering, networks, and cybersecurity, and I'm looking to kickstart my career in IT!

Contact Me

- (+64)21 0727 534
- cbuckley021@icloud.com
- Franklin District, Auckland.

Skills & Experience

- Problem Solving
- Leadership
- Communication
- Project Management
- Jira
- Basic AWS
- Git & GitHub
- Linux & Windows
- Java
- C
- React
- Node.js
- JavaScript, CSS & HTML
- PostgreSQL
- Microservices
- Message Queues
- Operating Systems
- Multi-threading
- Data Structures and Algorithms
- Software Design Principles
- Network Configuration
- Network/System Administration
- Docker
- Container Orchestration
- Virtualisation
- Active Directory
- Cisco
- Kali Linux and Metasploitable testing
- Wireshark
- Information Security

Github

https://github/buckl3y

Experience

Insite Technology - Computer Technician
Takanini, Auckland
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
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 basic 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.

References

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

Vicky Farrell - Character Reference
027 4965 265
vicky.farrell@xtra.co.nz

Projects

ToothMate Pro

Chosen for AUT Research and Development to work on ToothMate Pro, a software solution for managing dental practices, covering appointment management, patient records and privacy management, 3D interactive teeth diagrams and plans, APIs for mobile app, and other services.

Skills Used

- Project Management
- Software Development
- React and Node.js

GPS System

Built a GPS tracking system using microservices to handle batches of simulated location data. Messages in JSON format flow through RabbitMQ queues into a replicated PostgreSQL database, with the entire system containerised in Docker and managed via docker-compose

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

Set up a Windows Server environment in VirtualBox to manage multiple Windows 10 client machines using Active Directory. Each user received their own private storage volume, while shared volumes were configured with specific access permissions across the local network.

Skills Used

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

xv6 risc-v Linux

- Enhanced an xv6 RISC-V Linux system 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