CONTACT

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EDUCATION

Bachelor of Computing

Australian National University

2022 - 2026

Focused on computer systems, networks, operating systems, and software engineering. Applied computing theory to hands-on software development and Linux-based infrastructure projects.

Discovering Engineering

Australian National University

Years 11 - 12

Completed enrichment program in engineering disciplines, CAD modeling, and design thinking

Home Educated

Self-Directed Learning

Developed passion for technology through independent exploration of programming, system administration, and server management.

SKILLS

- Python 3
- Bash / Shell Scripting
- Linux Administration
- Kubernetes
- Docker Containerization
- Virtualization
- DNS
- Networking & VLANs
- CI/CD Pipelines
- Technical Troubleshooting

Nathan Woodburn

Linux Systems Administrator

SUMMARY

Systems Administrator specializing in Linux, containerization (Docker & Kubernetes), and server infrastructure. Experienced in managing Proxmox virtualization, secure networks, and CI/CD pipelines. Skilled at building Python automations to optimize operations and maintaining reliable, scalable, and secure self-hosted and web environments.

EXPERIENCE

Web Hosting System Administrator

Dec 2025 - Present

CSIRO - Canberra

- Configure and administer web hosting infrastructure, web servers, and services across enterprise Linux environments.
- Deploy and manage containerized workloads and services using Kubernetes, ensuring uptime, reliability, and security compliance.
- Develop Python and shell automation tooling to eliminate repetitive administrative workflows, assist internal teams, and streamline deployments.
- Troubleshoot complex infrastructure, networking, and DNS issues to ensure continuous availability of critical web services.

Technical Support Specialist

Oct 2022 - Jun 2025

Namebase - Remote

- Provided technical support for users, focusing on domain setup, configuration, and troubleshooting.
- Worked with engineering teams to report bugs and suggest product improvements.
- Diagnosed complex DNS issues including nameserver propagation and zone file errors.
- Gained hands-on experience with recursive and authoritative DNS, DNSSEC, and decentralized naming.
- Engaged with the community through social platforms and represented Namebase at conferences.

Small Business Owner

Feb 2020 - Dec 2023

Nathan 3D Printing Service - Canberra

- Operated a custom 3D printing and CAD design business independently.
- Handled client communication, design iteration, and order fulfillment.
- Built end-to-end project management and technical design skills.

PROJECTS

Server Lab

Proxmox, Networking, Linux, DNS

- Maintain a personal physical server running Proxmox hypervisor.
- Host multiple virtual machines across three VLANs with isolated firewalls for enhanced security.
- Provide DNS and recursive resolver hosting services for external users.
- Host a suite of self-hosted services such as Gitea, Authentik, Vaultwarden, Nextcloud and MailCow.

Personal Website

Python 3, Flask, Docker, CI/CD

- Designed modular web application architecture with Flask blueprints and reusable templates.
- Managed containerized deployment using Docker on a dedicated server, ensuring consistency and scalability.
- Implemented CI/CD pipelines for automated testing, building, and deployment from Git.
- Integrated dynamic content and interactive features while maintaining secure and optimized server operations.