

Morgan Bennett

FULL-STACK DEVELOPER · NETWORKS & CYBERSECURITY

dev@marsphobos.com · marsphobos.com · github.com/m4r5-ph0b05 · linkedin.com/in/morgan-bennett-817800295

PROFILE

Full-stack developer and Networks & Cybersecurity student at Northumbria University, equally at home writing application code and running the infrastructure it lives on. I design, build and ship production web apps and tools in Python, Rust and TypeScript, and self-host them on a Proxmox-based homelab with containerised services, segmented networking and secure remote access. Several of my projects are live and in active use. Available for placement, graduate and freelance roles across software development, networking and security.

TECHNICAL SKILLS

Languages	Python, Rust, TypeScript, JavaScript, PHP, Lua
Web & Backend	Flask, REST APIs, PostgreSQL, SQLite, Pillow, HTML/CSS, Bootstrap
Infrastructure & Homelab	Proxmox (VMs & LXC), Docker & Docker Compose, Cloudflare (DNS, Zero Trust), self-hosting
Networking	TCP/IP, VLAN segmentation & firewall rules, Cisco Packet Tracer, Cisco Networking Academy CCNA 1 (completed)
Security & Remote Access	Tailscale, Cloudflare Zero Trust, network hardening, nmap, Wireshark, Kali Linux
Systems & Tools	Linux server administration (Bash, systemd, SSH), Git, Figma

SELECTED PROJECTS & INFRASTRUCTURE

Personal Homelab & Self-Hosted Infrastructure

Ongoing · Proxmox, Docker, networking, Cloudflare

A self-managed homelab running Proxmox (VMs and LXC containers) that hosts my live projects as Dockerised services, with VLAN-segmented networking and firewall rules. DNS and public access are managed through Cloudflare (Zero Trust), with Tailscale for secure remote administration.

Bespoke Water Solutions — Client website

2025 · HTML, CSS, JavaScript, PHP · Live at bespokewatersolutions.co.uk

End-to-end design and build for a UK water-pump supplier - visual design, a six-category product catalogue, a PHP-backed enquiry form and a fully responsive layout, shipped to production with no frameworks.

Resleeve — Album-to-wallpaper web app

2025 · Python, Flask, Pillow · Self-hosted & live at resleeve.marsphobos.com

A Python web app that turns any release into a poster-style wallpaper via a custom server-side rendering engine (Pillow) with three layout templates and desktop/mobile variants - built without front-end frameworks.

Score — Music ranking & scoring app

2025 · Python, Flask, PostgreSQL, Spotify API · Self-hosted & live

A web app for ranking and scoring music, building ranked lists from the user Spotify library, backed by a PostgreSQL data model.

Lodestone — Minecraft mod manager

Open source · Rust

A Rust desktop application that identifies and manages Minecraft mods through community-driven classification, sorting client and server mods to keep modpacks clean.

EDUCATION

Northumbria University, Newcastle upon Tyne — BSc (Hons) Networks & Cyber Security · Sept 2025 – 2029 (expected)

Year 1 modules (completed): Introduction to Networks & Cyber Security · Computing Fundamentals · Computational Thinking · Data Fundamentals · Programming (Python, Flask) · Computers & Society.

Certifications: Cisco Networking Academy — CCNA 1: Introduction to Networks (completed).