Tyson Jenkins

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SKILLS

Programming Languages: Python, C, C++, Java, JavaScript, TypeScript, C#
Technical Skills: Git, Agile Collaboration
Web: React, Svelte
DevOps: Docker, Network Configuration, Traefik, Cloudflare
Databases: MongoDB, MySQL, PostgreSQL

Work Experience

Student Coach   **January 2025 – Present**
Neumont College of Computer Science   *Salt Lake City, UT*
- Coached students in networking concepts, including static routing, dynamic routing, DNS, and DHCP using Cisco Packet Tracer.
- Assisted 20+ students, leading to an improvement of 20% in lab performance.

Projects

Home Lab   **October 2024 – Present**
- Maintained a Proxmox homelab to host and containerize 5+ applications.
- Enabled secure external access to my systems using Cloudflare Tunnel.
- Hosted Plex, Pi-hole, and Ollama, optimizing performance.
- Streamlined Docker deployments for 99.5% uptime.

TYSONCLOUD-demo   **May 2025**
- Engineered a web platform for creating and using remote PostgreSQL databases.
- Deployed via Docker on homelab, showcased on tysoncloud-demo.tysonjenkins.dev.
- Secured user sessions via Pocketbase authentication.
- Taught 15+ students the basics of PostgreSQL using this platform.

TYSONCLOUD   **November 2024 – December 2024**
- Crafted a cloud platform using Svelte, Flask, and Supabase, with the intent of simplifying deployments.
- Deployed using Docker containers on homelab, showcased on tysoncloud.tysonjenkins.dev.
- Improved the git integration build system, decreasing deployment time by 20%.
- Diagnosed and resolved a problem during the build process that prevented builds from finishing.

J-RAT   **August 2024**
Class Project - Intro to Software Projects
- Built a photo editing application using C++ in a collaborative team environment.
- Developed key features such as resize and rotate functions with OpenCV.
- Optimized memory management to prevent runtime errors.
- Implemented accurate rotation using mathematical principles.

EDUCATION

Neumont College of Computer Science   **September 2024 – September 2026**
Bachelor of Science in Computer Science   *Salt Lake City, UT*
- GPA: 4.0
- President of the Cyber Security Club