Tyson Jenkins

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SKILLS

Programming Languages: Python
Technical Skills: Git, Agile Collaboration
DevOps: Docker, Network Configuration, Traefik, Cloudflare, SSH, Nginx, Github Actions
Databases: PostgreSQL

Work Experience

Student Coach **January 2025 – Present**
Neumont University *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 improvement in lab completion rates.

Projects

Simulo **October 2025 – Present**

- Engineered backend infrastructure to streamline software distribution for 10+ development contributors.
- Built and hosted a Debian package repository on a VPS, creating a centralized deployment pipeline that reduced manual setup time by 60%.
- Designed GitHub Actions workflows to automate code testing and integration, cutting regression errors by 30% during development cycles.
- Improved deployment reliability and build consistency through end-to-end CI/CD automation.

Home Lab **October 2024 – Present**

- Maintained a Proxmox homelab to host and containerized 10+ applications.
- Enabled secure external access to my systems using Cloudflare Tunnel and Tailscale.
- Hosted Plex, Pi-hole, and Ollama, optimizing performance.
- Streamlined Docker deployments for 99.5% uptime.

TYSONCLOUD **March 2025 –Present**

- Developed a cloud deployment platform using Svelte, Flask, and Supabase to simplify app publishing and infrastructure management.
- Implemented an AI-powered build generator that used Groq API to generate and deploy them to Docker containers automatically, reducing manual configuration time by 70%.
- Deployed through Docker containers on server infrastructure (tysoncloud.tysonjenkins.dev), achieving continuous uptime and scalable build handling.
- Enhanced Git-based integration pipelines, cutting deployment times by 40% and improving build reliability across environments.

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