

# Paul Vinueza

Daily Linux user managing a 3-node K3s cluster to orchestrate local AI services, DNS, and a custom League of Legends-inspired portfolio.

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 US Citizen

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## SKILLS

- Cloud & Orchestration: Kubernetes (K3s), Helm, Google Cloud Platform (GCP), AWS (S3, Lambda), Tailscale, Vercel
- Infrastructure & Automation: Docker, ActivePieces, Selenium
- Linux & Systems: Ubuntu Server, Proxmox OS, Systemd Service Management, Bash Scripting, Networking (DNS, SSH, Subnets).
- Languages & Backend: Go (Golang), Python (FastAPI), TypeScript, Node.js, YAML, SQL (PostgreSQL), NoSQL (MongoDB, Redis).
- Tools & Monitoring: Kubectl, HTTPIE, Git, Jira, Neovim, Obsidian (Note-taking)

## PROJECT

### Homelab (K3S Node Cluster)

10/2025 to Present

- Repurposed old gaming PC into a Proxmox virtualization server, performing hardware upgrades (CPU swap and 32GB RAM expansion) to host a high-availability K3s cluster.
- Established a three-node layout consisting of a dedicated Head Node, a light-resource worker for automation (ActivePieces), and a heavy-resource worker for AI workloads (AnythingLLM/Llama).
- Configured secure remote access by integrating Tailscale, establishing an encrypted mesh network and private subnets for cluster management without public exposure.
- Maintaining comprehensive technical knowledge base in Obsidian, documenting cluster architecture, LVM storage expansion procedures, and DNS troubleshooting steps to ensure system reproducibility.

### ActivePieces AI Draft Generation Workflow

12/2025

- Event-driven workflow using ActivePieces internal tables to manage content drafts.
- Implemented "Daily Diff" pipeline that fetches GitHub activity via API, processes code diffs through an LLM, and generates daily technical summaries for professional branding catered to a specific platform.
- Implemented recursive logic to validate content against platform-specific character limits"
- Implemented a feedback system via Discord and Google Forms, allowing for draft rejection, rating, and feedback injection to refine future AI generations.

### HyprTask (Open Source)

10/2025 to 12/2025

- Developed a terminal task manager for the Hyprland ecosystem, featuring workspace specific process management
- Built the application following Bubble Tea's Elm-inspired patterns, decoupling the TUI view from business logic and using Go channels to handle asynchronous process acquisition and termination.

### TinyAutomator

03/2025 to 05/2025

- Co-developed a scalable no-code automation platform using Go, React, and PostgreSQL to improve workflow automation efficiency.
- Built an event-driven workflow engine with Google API integration for robust automation capabilities.
- Using Go's built in debugger I fixed a hidden import cycle issue

## EDUCATION

### University of Central Florida- Orlando, FL

Bachelor of Science: Computer Science

August 2025

## LINKS

- Github: <https://github.com/paulvinueza30>
- LinkedIn: <https://www.linkedin.com/in/paul-vinueza>
- X: <https://x.com/ctrlalbtachata>