

MARK ROBILLARD JR

Platform Engineer • Private Cloud Platforms • Secure Infrastructure

GitHub: <https://github.com/markmental> • Forgejo: <https://mentalnet.xyz/forgejo/markmental>

SUMMARY

Platform Engineer with 3+ years building ComputerVault's Debian/Proxmox-based private cloud platform. Experience includes platform authentication, virtualization automation, OpenVPN server configuration, Git server setup, automated Linux deployments, and internal ticket-driven collaboration. Lead development for Versions 3 & 4, delivering a MySQL-backed control plane and PAM/OATH MFA integration.

CORE SKILLS

Platforms: Proxmox, Debian/Ubuntu, RHEL (NVIDIA DLS), KVM/QEMU

Security: PAM, OATHtoolkit, MFA, OpenVPN server config

Automation: .deb packaging, CI runners, systemd, Git server setup, automated Linux installs

Collaboration: Ticketing systems (issue tracking, cross-team support)

Languages: Python, Bash, Java, PHP, JavaScript, SQL

EXPERIENCE

R&D / Software Engineer – ComputerVault

May 2022 – Present

- Lead engineer for ComputerVault's Debian/Proxmox private cloud platform (Versions 3 & 4).
- Integrated **PAM + OATH MFA** across platform authentication and administrative workflows.
- Worked on **Netpulz**, automating OpenVPN server setup, credential flows, and secure access delivery.
- Supported development of the platform's **Java monitoring console** for real-time metrics and alerts.
- Set up internal **Git servers**, automated Linux installations, and contributed to infrastructure tooling.
- Worked daily with internal **ticketing systems** to coordinate fixes, prioritize issues, and collaborate across teams.

EDUCATION

A.S. Computer Information Systems — Quinsigamond Community College (2021)