

THOMAS RODRIGUEZ

Software Developer | Systems & Infrastructure

Rodeo, CA | thomasrodriguez.dev | github.com/goos3d

SUMMARY

Software developer and IT consultant who builds practical applications and infrastructure for operational work. Hands-on experience with Python and FastAPI applications, PostgreSQL-backed systems, REST APIs, automated testing, Linux services, and self-hosted deployments. Earlier field experience in networking, troubleshooting, and systems integration.

TECHNICAL SKILLS

Python | FastAPI | PostgreSQL | SQLAlchemy | Alembic | REST APIs | HTML/CSS | Git | Linux | Nginx | Docker | Proxmox | Cloudflare | Tailscale | PowerShell | Active Directory / Entra ID | Networking

SELECTED PROJECTS

East Bay AV Business OS | Python, FastAPI, PostgreSQL, SQLAlchemy, Alembic

- Built a self-hosted business operations application for customers, sites, jobs, CRM activities, leads, opportunities, labor and material tracking, and invoicing workflows.
- Designed relational data models and migrations, implemented web workflows and REST endpoints, integrated InvoiceShelf, built automated regression tests, and deployed the application on Debian behind Nginx and Cloudflare Tunnel.

Homelab Control Plane | Python, FastAPI, Proxmox, Linux

- Built a web application to monitor and control virtual machines, containers, and self-hosted services across a Proxmox environment.
- Combined infrastructure status and common management functions in a centralized interface and deployed the application as a persistent Linux service.

PROFESSIONAL EXPERIENCE

Selerum | IT Consultant | Richmond, CA

Mar 2026 - Present

- Support client environments spanning Windows endpoints, networking, servers, cloud services, surveillance systems, and field infrastructure.
- Deploy and troubleshoot Windows systems, Active Directory and Entra ID environments, BitLocker, VLANs, wireless networks, and remote-support tooling.
- Coordinate cabling, wireless access point, camera, and infrastructure projects; write scripts and technical tools that streamline troubleshooting and operational work.

Multiple Employers | Low-Voltage & AV Technician

2018 - 2026

- Progressed from apprentice to journeyman while installing and servicing residential and commercial low-voltage and AV systems.
- Installed structured cabling, networking, surveillance, and AV equipment; diagnosed faults and completed system integrations.

AT&T | Premises Technician

2010 - 2018

- Installed and troubleshoot residential and business communications infrastructure, including structured cabling, networking equipment, broadband services, and customer-premises systems.
- Diagnosed physical-layer and network problems in production environments while working independently in the field.