

Peter Hartman

Systems & Platform Engineer — QA Automation · Linux Infrastructure · AI-Assisted Development

hire@airstream.ing · 417-827-4795 (text) · Nixa, MO · peter.airstream.ing · Remote-ready (7 years fully remote)

SUMMARY

Fifteen years across QA engineering, systems administration, and infrastructure. Sole owner of the QA effort for a high-traffic federal website for seven years. Now designing, building, and operating production web platforms end to end — hypervisors to custom application code — with heavy daily use of AI tooling and agentic automation. I build systems that run unattended, and I document them so anyone can run them.

EXPERIENCE

Independent Infrastructure & Platform Consultant

Jul 2025 – Present

Self-employed — Nixa, MO

- Designed, built, and operate a production community platform (Discourse / Ruby on Rails) for a statewide member club: custom Ruby plugins and JS themes — onboarding wizard, interactive event mapping, gamified attendance badges, and multi-tenant account provisioning against a third-party application's API.
- Run the full stack self-hosted: 2 Proxmox hypervisors, 20+ VMs/containers, pfSense, TrueNAS, nightly Proxmox Backup Server jobs with tested restores.
- Built complete observability with Prometheus, Grafana, Loki, and Alertmanager (10+ exporters, push alerting) plus self-healing watchdogs that recover wedged services before users notice.
- Cut first-view media load times ~90% on a constrained uplink with a VPS edge cache (nginx slice caching) and a bandwidth-capped automated media mirror.
- Operate self-hosted production email with verified deliverability (SPF/DKIM/DMARC/PTR) and nightly automated probes; diagnosed and permanently remediated a production out-of-memory livelock; maintain runbooks, NetBox, and IPAM documentation for everything.
- Build agentic AI automation daily: local LLM stack (Ollama, Open WebUI), scheduled autonomous research/ingest agents, scraping and PDF-processing pipelines, AI-assisted development across Python, Ruby, and JS.

QA Engineer

2018 – Jun 2025

Mobomo LLC (federal contractor) — Washington, DC (remote)

- Solely responsible for the entire QA effort on NOAA Fisheries (fisheries.noaa.gov), a high-traffic federal Drupal platform, for 7 years on a 6-person remote agile team.
- Created and maintained automated test suites in Behat and Playwright; ran them across every release cycle in Dockerized Linux environments.
- Authored the QA process documentation that contributed to achieving company-wide CMMI Level 3 certification.
- Owned the defect lifecycle in JIRA and delivered post-deployment test reports to federal stakeholders for every release.

Solution Support Analyst

2015 – 2018

Netsmart / HealthMedX — Ozark, MO

- Supported Vision-EMR (electronic medical records) users by phone and ticket; documented known issues for development and clients.
- Built and supported a server- and client-side disaster-recovery solution using PowerShell.

Network Administrator

2011 – 2015

Banyan Group Inc. — Springfield, MO

- Managed users, computers, and policy via Active Directory and Group Policy; administered Cisco Unified Communications Manager and Unity Connection.
- Ran the help desk end to end — tickets, hardware repair, printers, mobile devices, servers.

SKILLS

Linux · Docker · Proxmox VE · Python · Ruby · Bash · PowerShell · Playwright · Behat · Git · CI/CD · Prometheus · Grafana · Loki · Nginx · Caddy · PostgreSQL · WireGuard · DNS / SPF / DKIM / email deliverability · Local LLMs (Ollama) · Agentic AI / LLM integration · Web scraping & data pipelines · JIRA · Agile / Scrum (ScrumMaster) · CMMI · Technical documentation (NetBox, BookStack)

EDUCATION & CERTIFICATIONS

Associate of Arts, Ozarks Technical Community College — 2006 · ScrumMaster · Missouri Class A License, Drury University Law Enforcement Academy — 2009

Manager references from all three prior employers available on request.