Steve Graves

Systems administration & healthcare IT
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I'm Steve Graves, an IT professional with a background in systems administration, healthcare applications, and technology integrations.

My experience spans Linux and Windows operations and emergency medical services. Outside of work, I've always explored technology by building and running systems of my own.

Professional experience

Senior Application Consultant

Harris Data Integrity Services | Mar 2022 - Aug 2024

- Administered Linux and Windows environments supporting the company's workflow application and related systems.
- Managed PostgreSQL databases, SFTP services, and user access.
- Supported compliance management for HIPAA and SOC 2 requirements.

Integrations Specialist

Harris Computer | Jan 2020 - Mar 2022

- Planned and executed technology integration projects for acquired business units.
- Coordinated project scoping, planning, and training alongside Active Directory, email, systems, and enterprise voice migrations.

IT Generalist

Just Associates | Dec 2014 - Jan 2020

- Provided company-wide IT support and administration across Windows Server, Linux, Active Directory, Microsoft 365, and SharePoint Online.
- Created and deployed system images and used PowerShell and Bash scripting to support IT operations.
- Supported executives and remote employees, managed technology assets, and contributed to employee training and IT planning.

Earlier experience

Service Desk Analyst II · Air Methods Mar-Dec 2014 Provided Level 2/3 support within an organization of 4,500 users across more than 200 locations in 49 states.

Service Desk Analyst · Veriant Solutions Jan-Mar 2014 Contract support for Tri-State Generation and Transmission Association, including Windows, mobile devices, and SCCM.

Emergency Medical Technician · Multiple NYC-area agencies 2007-2013 Experience in NYC 911 EMS, pediatric and neonatal critical care, supervision, and training.

Help Desk Analyst · TMA Resources Aug-Oct 2007 Sole internal help desk staffer for more than 200 employees. Implemented a barcode-based technology inventory system.

Senior End User Support Specialist · American Capital Oct 2006-Aug 2007 Supported a global organization of more than 700 users, including identity management and workstation deployment.

PC Services Manager · Circuit City Jun 2005-Mar 2006 Managed a team of four and led the department to the top sales ranking in a region of more than 100 stores.

Selected technical projects

I've been taking things apart, learning how they work, and building my own systems for as long as I can remember. These are a few current examples of that lifelong interest, developed and operated with AI-assisted tools.

Vger - connected sports research

Linux · Docker · SQLite · OAuth · API integrations · MCP

- Bring sports data, analysis tools, and saved research together in a system accessible through AI assistants.
- Connect external data sources with caching and usage controls so research can reuse results and limit unnecessary API requests.
- Operate it as a persistent service with individual user access, retained research, automated backups, and tested recovery procedures.

The History Gist - one episode, multiple platforms

Python · YouTube API · CMS integration · Podcast publishing · RSS

- Build and operate a connected publishing system that carries each episode into YouTube videos and Shorts, Instagram posts, a website story, and a podcast release.
- Bring media, artwork, and metadata together in a review interface, then use approval controls and queued uploads to move prepared episodes toward publication.
- Automate the follow-through: published videos become website stories, podcast releases update the feed and listening page, and monitoring and backups support ongoing operation.

Home lab & self-hosted services

Debian · Unraid · Docker · HTTPS · Monitoring · Backups

- Maintain Linux hosts, virtual machines, containers, and websites across home infrastructure and cloud hosting.
- Configure reverse proxies, TLS certificates, and access restrictions for public services and private administration.
- Automate monitoring and backups, and test restores to check that recovery procedures work.

Technical expertise

Systems & application operations: Linux (Ubuntu, Debian, RHEL), Windows Server, PostgreSQL, Docker, virtualization, application hosting, system deployment

Identity & workplace technology: Active Directory, Microsoft 365, SharePoint Online, Exchange, account administration, SCCM/WSUS

AI, automation & integrations: AI-assisted development, AI workflow automation, Model Context Protocol (MCP), API integrations, PowerShell, Bash, technology migrations

Security & compliance: HIPAA/HITECH, SOC 2 compliance support, access management, HTTPS, VPN, backup and recovery verification

Education & credentials

AAS, Computer Information Systems SUNY Delhi · 2003-2005

CompTIA A+ Earned 2013