

PATRICK J. YANCY

AIX Systems Programmer | Cybersecurity & Automation Engineer

Ankeny, IA | (515) 710-5242 | pjyancy@gmail.com | 27+ years enterprise UNIX/Linux systems engineering

I bring 27+ years of AIX and Power systems engineering experience to every engagement — keeping enterprise AIX environments secure, current, and stable. I have served as the embedded AIX and IBM Power subject matter expert for a Fortune 100 insurance carrier since 1999 — the defacto SME from day one as its only AIX admin, and the SME ever since regardless of team size — and I extended that role to Linux and to enterprise security in 2010. I bring that same discipline to every new client: measurable vulnerability reduction, automated patch currency, and platform stability at scale.

PROVEN RESULTS — 29-Year Engagement, Fortune 100 Insurance Carrier

- Continuous engagement with this single client since 1997 — every role held reflects internal advancement, not a job change
- Managed AIX/Power environments at a peak scale of 1,000+ LPARs; today operates a fully redundant, consolidated architecture across 2 datacenters — 4 managed systems, ~24 AIX LPARs, ~12 IBM i LPARs, 8 VIOS, and 4 HMCs
- Zero unplanned AIX outages in over 20 years, with all maintenance delivered through 2 scheduled windows per year
- Linux vulnerabilities reduced from 178,000+ to ~700; AIX vulnerabilities reduced from 1,100+ to a steady-state 1–2 — both on sustained patch cycles
- Zero-downtime VIOS/firmware upgrades and full hardware-generation migrations (e.g., Power8 to Power9) using Live Partition Mobility (LPM)
- 100% CIS-benchmark-compliant secure OS builds (Red Hat, Ubuntu) across physical, VMware, AWS, and Azure

WHAT I DELIVER

SECURITY — Close the exposure window

- Security subject matter expert since 2010, owning vulnerability identification and remediation end-to-end using Qualys, Tripwire, Red Hat Insights, and OpenSCAP
- Maintain production SSH cryptographic standards (Ciphers, MACs, KEX, HostKeys) across the fleet
- Automate secure OS builds against CIS Benchmarks so every new system is compliant on day one
- Active CIS Benchmark contributor for AIX, Red Hat, Ubuntu, and AlmaLinux since 2005/2006 (near the origin of the AIX benchmark) — apply the benchmarks in production and work directly with CIS to correct or clarify guidance; able to develop custom secure-configuration guidelines when a client's requirements go beyond CIS

CURRENCY — Stay patched without the manual overhead

- Automated AIX patching (CVEs, firmware, software currency) to a near zero-touch operating model, using NIM to standardize OS deployment and builds
- Patch on a bi-monthly cycle while decoupling currency from downtime — customer-facing outages are limited to 2 scheduled windows per year, reserved for patches that require a reboot or OS upgrade
- Built and maintain repository/distribution infrastructure (YUM for AIX, Satellite for Red Hat) that keeps currency effortless
- Extending the same automation and currency discipline to Red Hat, AlmaLinux, and Ubuntu Linux estates
- Use the right tool for the job — Python, Ansible, or Unix Shell scripting — for account/password management, registration, and 2FA rollout

STABILITY — Keep the platform running

- Zero unplanned AIX outages in over 20 years; all planned maintenance delivered through 2 scheduled windows per year, on both AIX and VIOS
- Use Live Partition Mobility (LPM) to perform VIOS and firmware upgrades — and even full hardware-generation migrations (e.g., Power8 to Power9) — with zero customer downtime
- Operate a redundant, multi-datacenter Power architecture: 4 managed systems (2 per datacenter), ~24 AIX LPARs, ~12 IBM i LPARs, 8 VIOS, and 4 HMCs
- Experience extending NIM-based build automation to Linux on Power (LoP), alongside traditional AIX installs
- 27+ years hands-on across virtually the entire IBM Power/AIX product ecosystem, with AIX/pSeries as a core specialty since 1999
- Primary owner of incident resolution, escalation, and critical-situation disposition for 24x7 enterprise operations

RELEVANT EXPERIENCE

Continuous engagement with this single enterprise client since 1997 (29+ years) — every role below reflects internal advancement, not a job change.

AIX, Linux & Security Subject Matter Expert / Team Lead — Consultant, Systems Engineering & Administration

Fortune 100 Insurance Carrier | 2010 – Present

- Primary contact for vulnerability identification and security remediation across enterprise AIX and Linux systems
- Automated the AIX patching process to apply CVEs and fixes and maintain software currency with near zero-touch administration
- Automated new OS builds (Red Hat, Ubuntu) integrating OpenSCAP and CIS Benchmarks for 100% secure-configuration compliance
- Migrated the AIX RPM patch repository from a manual directory-based dump to a fully managed Red Hat Satellite repository, improving reliability and control over patch distribution
- Developed and maintained Python and Ansible automation for API-driven account management, registration, and 2FA deployment
- Maintain all production SSH secure configuration standards, including approved MACs, Ciphers, KEX, and HostKeys

AIX & IBM Power Subject Matter Expert / Systems Administrator — AIX, SUN Solaris, Linux, iSeries (OS/400)

Same Enterprise Client (prior role) | 1999 – 2010

- Defacto AIX subject matter expert from day one as the client's only AIX administrator, responsible for performance tuning, sizing, security, upgrades, and general maintenance
- Extended platform coverage to SUN Solaris, Linux, and iSeries systems, including change management and directory services
- Delivered data warehouse platform administration and access-system design in a large-scale production environment
- Negotiated and managed vendor support and maintenance agreements across the platform portfolio

TECHNICAL SKILLS

Platforms: AIX, PowerVM, PowerHA/HACMP, NIM, Live Partition Mobility (LPM), IBM HMC, pSeries, IBM i (OS/400), UNIX/Linux (Red Hat, AlmaLinux, Ubuntu), VMware, AWS

Security & Compliance: CIS Benchmarks / Secure Configuration Auditing, SSH Cipher/MAC/KEX Standards, Vulnerability Remediation, OpenSCAP, Qualys, Red Hat Insights, Tripwire

Automation & Tooling: Ansible, Python, Unix Shell Scripting, Git, Satellite, YUM Repository Management, AI-assisted development (Claude and other generative AI tools) for code, process, and documentation creation

Languages: Python, Perl, Unix Shell, SED/AWK, PowerShell, HTML/CSS/JavaScript

Database & Storage: SQL, Relational Databases (Sybase, MS SQL, DB2, MySQL/MariaDB), DASD & Database Layout, SAN/NAS Configuration

Core Disciplines: Cybersecurity, Performance Tuning & Capacity Planning, Infrastructure Design, Project & Vendor Management, Incident & Escalation Ownership

CERTIFICATIONS & EDUCATION

- IBM Certified Advanced Technical Expert (CATE) — pSeries and AIX 5L
- IBM Certified Specialist — AIX System Administration
- IBM Certified Specialist — p690 Technical Support
- Linux Professional Institute — LPIC-1
- CompTIA — Linux+
- SUN Certified System Administrator (SCSA)
- IBM Hybrid Cloud Sales Foundation Badge — Power Solutions Sales Foundation curriculum (Hybrid Cloud and AI on Power business value)
- CIS Benchmark Contributor — AIX (since 2005/2006), Red Hat, Ubuntu, and AlmaLinux
- Documentation contributor — technical content on AIX/NIM networking incorporated into official IBM product documentation

B.S., Cybersecurity — Bellevue University

A.A., Information Technology — University of Phoenix