

PATRICK JENKINS

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Solutions Engineer | Infrastructure & Security Engineer | Founder & Builder

Cloud & Datacenter Infrastructure • Security & PKI • DePIN/Web3 Operations • AI-Augmented Engineering & Enablement

PROFESSIONAL SUMMARY

Customer-facing infrastructure and security implementer with 16+ years across enterprise PKI, datacenter operations, and modern AI-augmented build work. Started at Oracle with roughly three years on the datacenter floor (Dulles federal/civilian cloud) followed by ongoing systems and network administration through 2019. Enterprise PKI became the central thread — McKinsey (firm-wide device identity), Fiserv (PCI/data protection), Elevance Health (600K-cert hybrid estate), now advising a regional bank on certificate management modernization. Operates FixMyCert end-to-end on a self-hosted MCP and Docker stack (DigitalOcean), directing AI tooling (Claude, Replit) to ship customer-facing technical product solo. Recognized by peers in security leadership for a first-principles approach to complex environments.

CORE COMPETENCIES

Cloud & Infrastructure: AWS • Linux/Windows Server • VMware • F5 BIG-IP • DataPower • TCP/IP, DNS, DHCP, LAN/WAN • Datacenter operations • FedRAMP & PCI environments

Security & Identity: Enterprise PKI / X.509 lifecycle • Venafi TPP / CyberArk Certificate Manager • IAM & access controls • Code signing • SSH key management • Audit response • Encryption standards

Automation & Scripting: PowerShell, Python, Bash — read, modify, and operate scripts in production environments • REST API integration (Venafi vcert) • Azure DevOps pipelines • ServiceNow integration • Runbook & SOP development • Source control

AI-Augmented Engineering: Claude (extensive daily use across operations, content, and tooling) • Self-hosted MCP servers on DigitalOcean • Replit • Prompt engineering & AI-assisted development workflows • Translating business problems into AI-orchestrated solutions

Solutions & Enablement: Customer-facing technical communication • Executive briefings & root-cause reports • Technical writing (FixMyCert 100+ public guides; client-facing enablement documentation) • Pre-sales discovery & solution scoping • Stakeholder management

Web3 / DePIN Operations: Node operation • DePIN protocols (DeEEP, Dabba WiFi, GEODNET-class) • SHA-256 mining operations • Automated trading systems • On-chain yield analysis • Wallet & key custody hygiene

PROFESSIONAL EXPERIENCE

FixMyCert — Founder & Operator

Dec 2025 – Present

Founder — Independent SaaS / Education Platform

fixmycert.com — free PKI education platform for engineers; built solo from concept through production.

- Architected and shipped a full-stack education platform covering enterprise certificate management — 106 published guides, 51 interactive demos, integrated compliance tracking and tooling — built solo using an AI-augmented stack (Claude, Replit, self-hosted MCP servers on DigitalOcean).
- Own the entire product surface: information architecture, content strategy, SEO, analytics, automation pipelines, and reader feedback loop — directing AI tooling end-to-end rather than coding from scratch.
- Operate self-hosted MCP server infrastructure on DigitalOcean as the platform's data and tooling backbone — real production responsibility for uptime, deployment, and integration.
- Validates personal capability to ship customer-facing technical product end-to-end without organizational support — directly relevant to Solutions Engineering, Developer Relations, and Customer Success Engineer roles.

CDW Corporation (Consulting) — Remote

Aug 2025 – Present

Senior Certificate Management Engineer | Regional Banking Client

Engaged as senior consultant to assess, modernize, and document enterprise certificate management operations.

- Assessed the client's Venafi Trust Protection Platform operations — policy structure, discovery architecture, and placement-rule design — and produced leadership-ready reporting to support modernization decisions.
- Conducted root-cause analysis of network discovery architecture spanning 70+ scan jobs; identified systemic overlap and race conditions, delivered an executive-level investigation report with four phased remediation options scored on effort, risk, and impact.
- Authored operational documentation covering certificate lifecycle tasks, troubleshooting decision trees, and PowerShell validation procedures for the client's PKI team.
- Designed placement rule architecture (15-rule pilot framework) to automate certificate routing across 70+ discovery jobs and eliminate manual sorting.
- Researched and documented CyberArk CodeSign Protect integration patterns for Azure DevOps pipelines, including PKI architecture requirements and code-signing workflow design.

DailyProfits LLC — Owner / Operator

Jan 2025 – Present

Founder — Web3 / DePIN Infrastructure Operations

Independent venture operating decentralized physical infrastructure nodes and analyzing blockchain-based yield strategies.

- Operate active nodes across multiple DePIN protocols (DeEEP Networks, Dabba WiFi class, SHA-256 mining infrastructure) — handling deployment, monitoring, uptime management, and yield reporting.
- Operate dashboards and automation tooling (built using AI-assisted development on Claude + Replit) for managing decentralized assets, tracking on-chain rewards, and analyzing protocol economics.
- Active operator-level perspective on Web3 payments, DePIN protocol design, and node-operator UX — first-hand operational data, not theoretical.

Lucid Services Group (Contract) — Alpharetta, GA

Aug 2024 – Jul 2025

PKI Engineer | Elevance Health (Fortune 25 healthcare)

Managed enterprise PKI operations at-scale across 600,000+ certificates and hybrid infrastructure (Linux, AWS, F5, DataPower).

- Implemented and operated certificate issuance, renewal, and revocation workflows using PowerShell and Venafi REST APIs; reduced manual touchpoints across the certificate lifecycle.
- Coordinated CA migration from Entrust to Sectigo across security and infrastructure teams, maintaining trust-chain continuity in response to Google root distrust initiatives.
- Implemented and ran scripted monitoring and reporting for inventory, expiration alerting, and compliance reporting at 600K+ certificate scale.
- Troubleshot integrations across AWS, Linux, DataPower, F5, iDRAC; resolved code-signing and SSH key access issues.

McKinsey & Company — Atlanta, GA

Jun 2021 – Feb 2024

Senior Cloud Infrastructure Engineer | Device Identity

Cloud infrastructure and identity engineering for global consulting firm serving 30,000+ consultants.

- Owned firm-wide device identity and PKI workflows on Venafi TPP, managing certificate lifecycle across global cloud and hybrid infrastructure.
- Implemented automated certificate issuance and export workflows using Venafi Adaptable Flows; reduced manual processing time and improved request delivery.
- Implemented automation for password rotation and certificate auditing in response to audit findings; transferred Managed PKI ownership from the Network team and stabilized operations.
- Supported ServiceNow integrations, certificate-based authentication, and platform interoperability across security and infrastructure teams.

Aqua Blue Ventures LLC — Owner / Operator

Mar 2024 – Dec 2025

Founder — Amazon FBA Resale Business (Flip Turn Books)

Built and scaled a profitable Amazon-based resale operation; sustained 50% ROI since Jan 2025.

- Built Amazon seller operations from scratch; pivoted from wholesale to high-margin used books based on data analysis.

- Developed SOPs for sourcing, pricing analysis, inventory management, and FBA logistics.

Fiserv — Alpharetta, GA

Apr 2019 – Jun 2021

Senior Security Engineer | Data Protection

Enterprise security engineering across financial services infrastructure with PCI compliance focus.

- Deployed and administered Venafi TPP for enterprise certificate services; served as escalation point for complex TLS/PKI issues.
- Streamlined ServiceNow CMDB tracking and TLS certificate validation; improved operational visibility and change management.
- Supported PCI compliance through audit response and policy enforcement; produced capacity planning forecasts for infrastructure stakeholders.
- Mentored junior team members on service levels, system usage, and escalation processes.

Oracle — Atlanta, GA & Reston, VA

Nov 2008 – Mar 2019

Senior Network Analyst → Senior Systems Administrator → Systems Administrator

10+ year tenure: roughly three years on the datacenter floor (Dulles federal/civilian cloud, 2008–2013) followed by ongoing systems and network administration through 2019.

- Built and managed cloud hosting operations across three Dulles-region datacenters supporting civilian and federal government clients; transformed empty computer rooms into full production environments.
- Administered datacenter networking infrastructure including F5 load balancers, firewalls, switches, and routers; managed TCP/IP, DNS, DHCP, LAN/WAN supporting FedRAMP and PCI environments.
- Led deployment, configuration, and support of security appliances from McAfee, Qualys, F5, and Barracuda; configured firewalls to align with information security needs.
- Supported global Oracle data centers through SSL certificate administration; resolved certificate assignment issues impacting F5 BIG-IP traffic; executed SSL certificate migration from SHA1 to SHA2 across all OPC business lines.
- Supervised third-party contractors on IT infrastructure tasks (racking, cabling, electrical work, structured cabling); supported physical infrastructure with disk swaps, line cards, service modules, and routing engines.
- Mentored junior systems administrators; built operational documentation libraries for SSL certificate management, encryption standards, and network security policies.
- Earlier (2008–2013): Provided technical support for Taleo SaaS application; implemented monitoring systems; deployed major and minor releases for the Taleo Enterprise and Small Business products.

EDUCATION

Jacksonville University — Jacksonville, FL

1997 – 1999

Bachelor of General Studies — Computer Information Management

INDEPENDENT VENTURES & PROJECTS

- MyRoboticTrader — content/community platform for AI-enhanced autonomous crypto trading; ongoing affiliate/content business with full transparency model.