

CARLOS AKIN

Linux Infrastructure Consultant — Legacy Migrations · PCI Compliance · Database Performance
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SUMMARY

Infrastructure engineer with 25 years of hands-on Linux experience, including 12 years as enterprise architect for a PCI-compliant hosting company serving ~600 client environments. Specialist in the systems nobody else wants to touch: legacy OS migrations (CentOS → Debian), compliance-driven environments, and database performance rescue. Available immediately for contract and consulting engagements — remote or on-site.

CORE SKILLS

- Linux administration & migration: CentOS, Debian, Ubuntu — EOL migrations, hardening, automation
- Compliance & security: PCI DSS audits, vulnerability management, risk assessment & remediation
- Databases: MySQL — performance tuning, optimization, migration, backup/recovery
- Stack & tooling: LAMP, PHP, Python, Perl, Bash, Git, Docker, Node.js
- Operations: 24/7 sole-engineer on-call, procurement, vendor management, datacenter decommissioning
- Websites: Malware intervention, optimization, troubleshooting

EXPERIENCE

Enterprise Architect

2014 – 2026

Thundercloud Management — Palm Beach, FL (full time remote)

- Migrated the company's entire production hosting fleet from CentOS to Debian (~170 servers) with zero unplanned downtime and no missed PCI assessments, including application refactoring (2020–2022).
- Owned all infrastructure for 12 years: servers, networking, databases, security, and monitoring, on 24/7 engineer on-call.
- Managed PCI DSS compliance across ~600 hosted client environments for 8+ years — quarterly ASV scan cycles, vulnerability remediation, and annual assessments
- Optimized MySQL performance for production hosting workloads — resolved connection/thread leaks and tuned indexes to eliminate recurring slowdowns.
- Managed IT procurement and vendor relationships; evaluated and introduced containerization (Docker) and modern tooling.

Independent IT Consultant

2001 – 2018

Contract engagements — (continued select clients alongside primary engagement from 2014)

- Delivered contract infrastructure, web stack, and systems work for small and mid-size businesses across affiliate marketing, web design, ecommerce clients.
- Installed & maintained a variety of Unix and Linux systems: FreeBSD, CentOS, Debian, Ubuntu.
- Built & maintained Perl and PHP based content management systems & CRMs for clients.
- Built the client-facing, self-directed working style later applied as an embedded sole engineer.
- Deployed client websites & email systems

REFERENCES

Available on request.