

Anthony Kheng

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PROFESSIONAL SUMMARY

IT Systems Administrator and AI automation builder with 6+ years managing enterprise infrastructure alongside hands-on development of agent systems, MCP servers, and multi-agent workflows. Track record across healthcare and government-contracted environments, blending compliance operations (SOC1/SOC2, CIS, NIST 800-53) with modern endpoint management, virtualization, and applied LLM tooling.

CORE COMPETENCIES

IT Systems Administration

AI & Agentic Automation

MCP Server Development

Intune & Conditional Access

VMware vSphere

SIEM (Splunk + SecureWorks)

SOC1/SOC2 & CIS Compliance

PostgreSQL Administration

WORK EXPERIENCE

Heritage Health Solutions

Nov 2023 - Present

IT Systems Administrator, Coppel, TX

- Co-lead IT Research & Development to evaluate and implement AI and automation solutions across the organization.
- Oversee organization-wide CIS audits and SOC1/SOC2 compliance with a cross-functional team using Suralink and Xacta.
- Led full-cycle deployment of Xacta 360 and Xacta I/O servers, provisioning the PostgreSQL backend with port configuration and firewall rules to enable secure data flow for GRC analysts.
- Manage and secure SQL/PostgreSQL databases with the data team, enforcing access controls, backup routines, and database readiness tasks (manual installation, port configuration, firewall rule management).
- Run enterprise vulnerability management via Splunk-based SIEM monitoring and SecureWorks real-time triage and resolution, cutting incident resolution time by 30%.
- Run bi-monthly patch cycles via Kaseya for 70+ enterprise devices and 20 servers, aligned to Microsoft Patch Tuesday.
- Manage VMware vSphere infrastructure across 23 VMs, provisioning, configuring, and deprovisioning servers to support organizational needs.
- Designed and deployed Intune Conditional Access policies organization-wide, including secure CA policies for Windows Subsystem for Linux (WSL); rolled out SpecOps Password for continuous breach detection. Enforced device compliance and identity-based access controls across 65 users.
- Administer SonicWall firewall policies and ACLs, controlling network access and enforcing perimeter security rules.
- Coordinate with the GRC security analyst to evaluate and approve software requests against company policy, CIS Benchmarks, and NIST 800-53 Rev 5.
- Run monthly onboarding and technical training for new hires, overseeing end-to-end device provisioning for a 65-user organization.
- Work with the accounting team on quarterly IT asset management (ITAM) reviews to maintain accurate inventory records.
- Track IT projects in Asana; built a custom AI agent with OpenAI API and MCP servers to automate task updates, comments, and status reports, saving ~2 hours/week on manual entry.
- Advise leadership and departments on LLM selection, integration, and architecture transitions; coach teams on effective prompting and embedding AI into day-to-day workflows.
- Serve as primary technical point of contact for the Data Engineering team, advising on feasibility and security of production server modifications.
- Drive SharePoint configuration optimizations to improve cross-team data flow and organizational information access.

Three Oaks Hospice

Feb 2020 - Sept 2023

IT Technician (L1 to L3) , Dallas, TX

- Managed IT support operations for 500+ employees across 20+ national offices, supervising a team of 3 technicians.
- Coordinated new technology rollouts and led IT projects as primary project coordinator across the organization.
- Managed Active Directory, conducted security assessments, and tracked equipment inventory across multi-site locations.
- Architected and deployed a Google Workspace environment for 150+ field staff, centrally managing the Chromebook fleet.
- Managed and supported communication platforms including Qliq secure messaging, Google Admin Console, SFax, and 8x8 VOIP.

PROJECTS

M365 Graph MCP Server

TypeScript, Microsoft Graph API, MSAL, MCP SDK

Custom MCP server exposing Microsoft 365 capabilities to AI agents. Certificate-based authentication via MSAL; tools cover SharePoint site management, document library operations (list, upload, create folder, move files), and user account management (password reset). Deployed for contract tenant and client use.

AI Agent Skills Framework

Claude Code, Anthropic SDK, Trigger.dev, Node.js

Reusable agent skill library with orchestrator, parallel, and pipeline patterns. Integrates Trigger.dev for durable background task execution with automatic retries and observability. Deployed across multiple client engagements; each client gets assembled workflows composed from shared capabilities and client-specific integrations.

Asana Project Management Agent

OpenAI API, Asana API, MCP Servers, VS Code

AI agent that posts task updates, comments, and status reports to Asana projects on demand. Built on custom MCP servers connected to VS Code; receives natural-language progress updates and translates them into structured Asana actions, eliminating manual status entry across active IT projects.

SKILLS

AI & Agentic Automation: LLM & Agentic AI Solutions, MCP Server Development, Claude Code, Codex, OpenCode, Trigger.dev, Multi-Agent Orchestration (parallel/pipeline/orchestrator patterns), OpenAI API

Cloud Infrastructure & Automation: Microsoft Azure, AWS, Microsoft Graph API, Power Automate, SharePoint, Asana

Virtualization & Network Security: VMware vSphere, SonicWall (policy management, ACLs)

Endpoint & Identity: Microsoft Intune (Conditional Access policy design and org-wide deployment, including WSL), Ivanti Neurons MDM, SpecOps Password, Google Workspace, IBM MaaS360, AWS IAM, Active Directory

Security, Compliance & Patch Management: Splunk (SIEM), SecureWorks (vulnerability triage), Kaseya (patch management), Xacta 360, Xacta I/O, Suralink, CIS Benchmarks, NIST 800-53 Rev 5, SOC1/SOC2

Data, Development, & Version Control: PostgreSQL, Python, TypeScript, Git, Docker