

Michael P. Goodman

Infrastructure, AI Systems & Automation Architect

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PROFILE

Technology architect, systems problem-solver, and entrepreneur with 28+ years in IT and 20+ years in business, turning ambiguous technical problems into resilient, functioning systems. Work spans infrastructure engineering, software automation, artificial intelligence, and hands-on operational recovery. Particularly interested in remote senior roles and fractional engagements involving infrastructure architecture, AI deployment, automation, security-minded systems design, and technical troubleshooting.

CAPABILITIES

Infrastructure architecture — Servers, storage, operating systems, identity, virtualization, lifecycle planning, and operational reliability.

Network engineering — Routing, DNS, Wi-Fi, segmentation, remote access, packet-level diagnostics, and performance analysis.

Windows & Linux systems — Windows Server, Active Directory, Group Policy, Ubuntu, services, command-line administration, and automation.

AI infrastructure — Local inference, GPU workstations, Ollama, retrieval-augmented generation, vector databases, and agent systems.

Automation & applications — Python, Bash, FastAPI, JavaScript, dashboards, APIs, OCR, geocoding, quoting, and data workflows.

Resilience & recovery — Root-cause analysis, backup architecture, disaster recovery, bare-metal restoration, and continuity planning.

SELECTED WORK

Sovereign local AI systems LOCAL AI · RAG · PYTHON · OLLAMA

Self-hosted AI architecture exploring local inference, persistent vector memory, controlled tool execution, process supervision, and explicit operational safeguards.

Property Quote Engine FASTAPI · JAVASCRIPT · GEO DATA · SQLITE

Practical web application for property-service operations, combining address geocoding, verifiable property enrichment, customer-confirmed features, server-side rate calculation, and quote persistence.

Infrastructure diagnosis and recovery NETWORKING · WINDOWS · VIRTUALIZATION · RECOVERY

Hands-on systems work spanning enterprise Windows environments, Active Directory, networking, virtualization, intermittent-fault analysis, backup redundancy, and bare-metal recovery planning.

CREDENTIALS

MCSE+I · ITIL · A+ · Network+ · Windows Server · Ubuntu · Docker · Python