

Scott J. Arnold

AI Infrastructure Architect | Senior Solutions Engineer | Data Center & Telecom Strategist | Published Author

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Executive Value

Senior technology leader with 30+ years of experience designing, selling, building, and scaling mission-critical infrastructure across telecom, cloud, SaaS, enterprise data centers, and modern private AI platforms. Known for turning complex technical architecture into revenue, operational stability, and production-grade execution.

Core Strengths

AI Infrastructure GPU Compute Pre-Sales Data Centers Telecom BGP / MPLS DWDM / GPON Open-WebUI Stable Diffusion ComfyUI NGINX / Reverse Proxy Security Segmentation SaaS Delivery Technical Leadership

Technical Stack

- **AI / Compute:** GPU systems, CUDA-based workloads, LLM inference, private AI platforms
- **Networking:** BGP, MPLS, DWDM, GPON, SIP, VoIP, IPv4/IPv6
- **Cloud / Virtualization:** VMware, KVM, OpenStack, IaaS architecture
- **Security:** Firewall segmentation, SIEM, reverse proxy architecture, secure access design
- **Systems:** Linux, Windows, enterprise hosting environments
- **Dev / Web:** Python, HTML, CSS, JavaScript

Publications

Published author of multiple books on AI systems, infrastructure, engineering strategy, and applied innovation.
Books: books.scottjarnold.com

Education

- Los Angeles Pierce College
- Los Angeles Harbor College

Professional Summary

Scott Arnold is a senior solutions engineer and infrastructure architect who combines executive communication, deep technical fluency, and real-world delivery experience. He has helped build telecom backbones, SaaS platforms, enterprise data centers, VoIP systems, and modern private AI environments. He is especially strong in roles where clients need a trusted technical leader who can help close deals, shape architecture, and stay engaged through execution.

Experience

Founder / Principal Architect

2024 - Present | Private AI Infrastructure Platform

Designed and deployed a secure, production-grade private AI platform built for organizations that want full control over compute, models, data, and performance.

- Built multi-GPU architecture for high-performance AI inference and content generation workloads.
- Designed secure NGINX reverse-proxy architecture with SSL/TLS, controlled routing, and segmented access.
- Integrated Open-WebUI, Ollama, ComfyUI, and Stable Diffusion into a working private AI stack.
- Created infrastructure suitable for enterprise AI, private SaaS, dedicated virtual AI instances, and controlled GPU-backed services.
- Engineered high-speed storage and networking layouts to support scalable model hosting and inference workflows.

Independent Consultant / Solutions Architect

2019 - Present | Princeton, Texas

- Led data center refresh, retrofit, and hosting infrastructure projects for clients including DinCloud and Alchemy Communications.
- Resolved complex infrastructure and manufacturing issues through technical analysis, vendor coordination, and execution planning.
- Designed secure hosting environments and performance-optimized infrastructure for production use.

Senior Pre-Sales Solutions Engineer

2016 - 2019 | Huawei Technologies, Plano, Texas

- Led pre-sales engineering for large-scale telecommunications infrastructure, including DWDM optical transport and GPON broadband solutions.
- Partnered with enterprise and service provider customers to define requirements, architect scalable solutions, and drive technical wins.
- Delivered executive presentations, technical workshops, and proof-of-concept environments to support deal closure.
- Built trade show and demonstration systems that strengthened technical positioning in competitive opportunities.

Senior Program Executive - Global SaaS Delivery

2012 - 2014 | BMC Software, Houston, Texas

- Managed global sales engineering and SaaS delivery teams across the U.S. and Europe.
- Delivered EUEM and APM SaaS offerings to Fortune 500 clients from proof-of-concept through production rollout.
- Supported European expansion efforts and represented BMC in international enterprise engagements.

Data Center Operations Manager

2010 - 2012 | DinCloud / En Pointe Technologies, Los Angeles, California

- Managed 11 engineers delivering VDI and IaaS solutions.
- Oversaw approximately \$6M in data center assets and built SLA-ready power, cooling, cabling, and virtualization environments.
- Acquired ARIN ASN/IP space and implemented multi-homed BGP architecture.
- Deployed NetApp SAN, Mellanox InfiniBand, Cisco Nexus switching, ASA firewalls, and OSSIM SIEM monitoring.

Solution Engineer

2005 - 2009 | Alchemy Communications, Los Angeles, California

- Managed construction of a 42,000 sq. ft. LAX data center.
- Handled permits, HVAC, electrical coordination, vendor integration, and secure infrastructure deployment.
- Designed VoIP trunking between facilities, NOC layout, mantrap access, structured cabling, and surveillance systems.

Special Projects Engineer

2009 - 2010 | Life Alert Emergency Response

- Expanded corporate data center and dispatch infrastructure.
- Reduced manufacturing failure rate from 8% to 1% through direct quality and process intervention.
- Managed recurring quality oversight in China and Thailand.

Co-Founder / Chief Technology Officer

1999 - 2001 | FastPoint Communications, Los Angeles, California

- Helped secure \$21M in venture capital funding.
- Scaled the company to become the 4th largest DSL provider in the U.S. and 1st in California at the time.
- Designed redundant ISP backbone architecture including ATM, DS3, DSL, and multi-provider BGP environments.
- Built high-availability Linux web farms and disaster recovery infrastructure.

Founder / Principal Consultant

1987 - Present | LAN Man Services Inc., Los Angeles / Princeton

- Designed and built turnkey data centers and communications environments for enterprise and government clients.
- Delivered ISP services including DSL, Frame Relay, ISDN, private networks, and VoIP infrastructure.
- Built international call center and network projects for clients including UCLA Neuropsychiatric Institute, the Thai Royal Navy & Air Force, and Merv Griffin Productions.

Ideal Roles

Senior Solutions Engineer • AI Infrastructure Architect • Consulting Solutions Architect • Revenue Engineer • Data Center & Telecom Strategist • Fractional CTO / Technical Advisor • Project-Based Infrastructure Lead

This resume is intentionally positioned for both full-time leadership roles and high-value project or consulting work.