

Jason Pittman

Cloud Infrastructure | Solutions Engineering | Cross-Functional Technical Leadership

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Executive Summary

Cloud Infrastructure Engineer with 15+ years architecting and operating enterprise environments at global scale across **Azure, AWS, and GCP**. Currently driving Azure technical strategy for the Warner Bros. corporate divestiture, designing greenfield Landing Zones, governance frameworks, and migration patterns across hundreds of subscriptions.

Seasoned in **Azure architecture, AWS, hybrid cloud, identity platforms (Entra ID, PIM, RBAC), infrastructure-as-code (Terraform, Bicep), and automation (Python, PowerShell, Bash)**. Track record of cross-functional technical leadership, partnering with Microsoft engineering, Corporate Security, and executive stakeholders to deliver complex infrastructure.

Strong foundation in Linux systems, virtualization/containerization, and end-user computing. Early adopter of AI-native tooling for enterprise workflows.

Professional Experience

Warner Bros. Discovery, Los Angeles, CA

Senior Cloud Engineer / Solutions Engineering *Apr 2021 – Present*

- **Drive Azure technical strategy for Warner Bros. corporate divestiture** as the Azure SME for Cloud Infrastructure. Architect greenfield Azure Landing Zones, management group hierarchies, subscription vending patterns, network topology, and governance frameworks. Coordinate migrations across hundreds of subscriptions and seven tenants while maintaining service continuity.

- **Azure technical representative in divestiture planning**, participating in cross-site strategy sessions with senior leadership. Primary liaison between Cloud Engineering, Corporate Security, and Microsoft. Design and implement IAM strategy including RBAC models, Privileged Identity Management (PIM), and Entra ID architecture for secure, compliant access across both target companies.
- **WBD Hackathon 2025**: Independently designed and deployed a secure Azure environment supporting ~1,000 hackathon participants. Architected isolated virtual networks with zero public internet exposure, zero-trust access via managed identities, and governance policies. Built automated account creation, email invitation workflows, instructional guidance, and role-based access for each team's isolated development resource group. **Terraform, Python, PowerShell, Azure CLI, Azure Graph API**
- **Harry Potter Store Global Infrastructure**: Embedded with this team since launch, providing ongoing engineering support for massive hybrid cloud environment spanning Azure, AWS, on-premises, and Dynamics 365 serving **Harry Potter Store** locations globally. Now leading white-glove migration to new WB Azure greenfield tenant as part of corporate divestiture. **Terraform, Python, PowerShell, Azure CLI, Azure Graph API**
- **Spearheaded global Azure resource validation initiative** across 9 tenants and hundreds of subscriptions, achieving **\$1M+ in annual cloud cost savings**. Built analytics pipelines and reporting (Python, CSV, Excel) to identify fallow or unused resources, automate team outreach, and stage resources for blowout or shutdown. **Terraform, Python, PowerShell, Bash**.
- **Collaborate frequently with Security and Incident Response teams** for Azure infrastructure access and vulnerability mitigation across the company's 9+ Azure tenants. Engineered automation scripts to locate, validate, and install security agents across hundreds of unmanaged Azure VMs globally, resolving critical CSO-priority vulnerabilities. Built scripting to automate on/offboarding of Incident Response team RBAC access to Azure infrastructure, enabling them to action security incidents at global scale. **Python, PowerShell, Bash**.
- **Core engineering team member during Warner Bros. and Discovery's merger** collaborating with Microsoft engineers on multi-cloud migration. Led migration of enterprise assets from legacy Azure/M365 tenants and Google Workspace into the unified WBD tenant with zero production downtime.

- Ongoing support of global WBPRODGROUP hybrid cloud infrastructure — the identity platform for Warner Bros. Productions supporting production studios and WB administration across the US, Europe, Australia, and New Zealand. Spanning AWS (multi-region EC2, VPN, Transit Gateway, Direct Connect) and Azure (Entra ID), including end-to-end Active Directory management, Okta, Splunk, and SCCM environments across 15+ international sites. **AWS CLI, Azure CLI, Microsoft Graph API, PowerShell, Bash.**

Fullscreen Media (Otter Media, Crunchyroll, Rooster Teeth) *(part of Otter Media, acquired by WarnerMedia/AT&T)*

Senior Systems Engineer / Manager

Apr 2019 – Apr 2021

- Led help desk and systems engineering teams across California and New York City locations, driving operational excellence and support innovation.
- Architected and rebuilt Fullscreen's IT infrastructure across both coasts, enhancing performance, reliability, and security.
- Administered core collaboration platforms including Google Workspace, Slack, and Zoom, enhancing operational efficiency and cloud governance.
- **Led multiple external client security audits** (TPN, content security compliance) in a high-scrutiny environment where audits were ongoing requirements for major client relationships. Directly contributed to contract wins and significant revenue growth.
- Spearheaded a cost-saving initiative migrating VIP telephony services from MegaPath to Zoom Phone by engineering hardware reconfiguration workflows, enabling full system reuse and delivering major operational savings.
- Designed and deployed a full JAMF-based MacOps infrastructure with zero-touch provisioning, automating deployment, management, and security across a 600+ device macOS fleet.
- Re-architected and modernized Active Directory infrastructure, improving authentication, security, and integration across cloud and on-premises systems.
- Engineered VMware-based local data centers (LDCs), significantly reducing AWS dependency and optimizing cloud expenditure. Managed **GCP infrastructure** supporting media and streaming operations.

- Architected and deployed a scalable AWS-based live streaming platform enabling Fullscreen's teams to deliver 20+ simultaneous Netflix-quality 1080p YouTube streams globally for brands like Mattel, replacing unreliable local systems and supporting \$10K+ per-stream revenue opportunities, while preserving full OBS control per stream.
- **Built and managed TPN-compliant secure rooms** for pre-release content handling, including physical security controls, isolated networks, and access policies. Ensured content security compliance for global production workflows with major studios.

Hermes BorderGuru, Greater Los Angeles Area

Consultant, Cloud and IT Infrastructure (Contract) Jan 2017

- Led full-stack IT infrastructure design, implementation, and support across U.S. and Mexico, focusing on **Azure cloud architecture, Azure AD, M365, Linux infrastructure**, and **enterprise application integration**. Supporting Hermes clients such as **Lanvin** and **Wolford**, focusing on scalable, secure infrastructure for high-traffic e-commerce operations.
- Architected and managed **Azure-based infrastructure**, including App Services and cloud-native solutions using **Terraform, Python, Bash and PowerShell** to ensure scalable, secure global operations.
- Supported and integrated **Microsoft Dynamics NAV and Dynamics 365 & Business Central** for warehouse, logistics, and customer service workflows. Deployed Windows-based shipping stations throughout warehouse environments, integrating Dynamics with employee management and commute systems for large-scale shipping operations.
- Developed and maintained **customer-facing WordPress and Shopify applications**.
- Designed and operated **Amazon Connect-based call centers**, integrating **intelligent IVR, SMS, and database-driven routing** to optimize customer service workflows.
- Provided Linux infrastructure engineering across physical and virtualized environments, including network hardening, LAMP stack optimization, and continuous monitoring.

- Engineered and managed **Cisco and Meraki-based network infrastructure**, supporting multi-VLAN segmentation, warehouse and team Wi-Fi, and reliable connectivity for distributed shipping and logistics operations.

.XYZ (Top-Level Domain Registry)

Systems Administrator II / DevOps Engineer

Jul 2016 – Apr 2019

- **Served on cross-functional Security team**, contributing to weekly compliance reviews and security posture reporting. Architected and deployed an enterprise-grade Active Directory infrastructure, unifying authentication and security across macOS, Windows, and Linux desktops, integrating cloud and on-premises systems to enforce secure identity management practices.
- Designed and built full lifecycle end-user system management automation across macOS, Windows, and Linux using **MUNKI, Puppet, SAL, Apple Profile Manager, and Active Directory**, streamlining deployment, configuration, security hardening, and compliance enforcement.
- Managed AWS, Azure, and Linux server operations supporting domain sales and fintech services, including **Kubernetes** container orchestration and administration of hundreds of WordPress instances at scale.
- Directed the consolidation of four separate Google Workspace environments into a single cohesive platform, significantly improving cross-team collaboration, simplifying IT governance, and enhancing enterprise-grade security.
- Built Elasticsearch clusters on-premises, saving significant AWS spend.
- Architected and deployed one of the first Amazon Connect-based call center platforms globally, replacing legacy 8x8 systems at 1/16th the cost. Integrated intelligent database-driven routing to prioritize high-value customers across domain sales and fintech services, dramatically boosting sales conversion rates while reducing staffing needs to a single agent.
- Designed and deployed ARM64-based cryptocurrency mining infrastructure (90+ units) as a direct CEO initiative, building industrial-scale compute operations.

Fox Television Animation (Family Guy, American Dad & The Cleveland Show)

Systems Administrator / Manager

Jun 2008 – Jul 2016

- Led a team of four systems administrators, overseeing support operations and infrastructure enhancements across production environments.
 - Directed IT infrastructure strategy for Fox Animation and Fox Television IT.
 - Architected desktop infrastructure and macOS deployment automation for a 350+ device Mac fleet, enhancing efficiency, consistency, and scalability across production environments.
 - Managed Active Directory infrastructure, including GPO design, OU structure, and authentication integrations.
 - Engineered Linux-based virtualized render farms reducing render time by 95%.
 - Engineered a cost-effective backup and storage solution in collaboration with Carbon Copy Cloner, automating local and offsite backups to an Amazon datacenter. Replaced a proposed \$9K+ enterprise backup system with a customized solution for a few hundred dollars, overcoming complex file structure challenges unique to Fox Animation.
 - Supported network hardware ecosystems (Cisco, Palo Alto).
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Volunteer Experience

Marat Daukayev School of Ballet & Marat Daukayev Ballet Theatre – Director of Cloud Infrastructure (Volunteer) *2015 – Present* - Serve as **full-stack IT and cloud infrastructure lead** for nonprofit ballet school and theatre company, managing identity platforms (Microsoft 365), AWS cloud infrastructure, and **WordPress-based web presence** (maratdaukayev.com, theater.maratdaukayev.org). - Architected and maintain **WooCommerce-based e-commerce platform** supporting merchandise, flowers, live streaming, and online ticket sales — responsible for infrastructure enabling ~\$250K annual revenue, primarily from Nutcracker productions.

Earlier Career Highlights

B&C Design I Beuniki Jewelry – Partner, Operations & Cloud Infrastructure (2012–2021)

- Co-founded and scaled an online jewelry business to \$1M/year in sales, managing full-stack cloud infrastructure, e-commerce platforms (Shopify, WordPress), and global marketing operations.
- Directed a global team of influencers and executed high-impact digital marketing campaigns across Instagram, Twitter, and Facebook.

Voyager Productions (Cosmos: A Spacetime Odyssey) – Consultant, IT Infrastructure (2012)

- Designed IT infrastructure solutions for production of “Cosmos: A Spacetime Odyssey,” supporting high-performance video editing and rendering environments.

Musicians Institute (Recording Institute of Technology) – Instructor, MIDI Sampling and Electronic Music Production (2002–2004) - Designed and taught an advanced curriculum blending **musique concrète principles**, **synthesis technologies**, and **studio hardware/software integration** for Level 2 audio engineering students.

Technical Skills

Cloud Platforms & Architecture

- **Platforms:** Azure, AWS, Google Cloud, DigitalOcean, Linode, Vultr
- **Architecture:** Hybrid Cloud Strategies, Infrastructure Design, Solutions Engineering, Message Delivery Infrastructure, Multi-Channel Notification Systems

Security & Compliance

- **Frameworks:** ISO27001, PCI Compliance, Zero Trust Architecture
- **Practices:** Cloud Governance, Disaster Recovery Planning
- **Vulnerability Management:** Brinqa, Microsoft Defender for Endpoint
- **Endpoint Protection & Patch Management:** SentinelOne Administration, Automox, Microsoft Defender for Endpoint

Identity, Access & Authentication

- Microsoft Entra ID, Azure Active Directory (Azure AD), Active Directory Federation Services (ADFS), Google Workspace, Open Directory, OKTA

Virtualization & Containerization

- VMware, Proxmox, Docker, Kubernetes, KVM, LXC

Linux Systems, Containers & Server Administration

- Debian, RHEL, Arch Linux (Server/Desktop/Audio Engineering), Windows Server (all versions), Containers (Docker, LXC, Podman)

Automation, Scripting & DevOps

- Bash, PowerShell, Terraform, GitHub Actions, Jenkins, Bitbucket, Azure DevOps
- HTML, PHP, Python (fundamentals), **WordPress development & administration at scale, WooCommerce e-commerce platforms**

Monitoring, Observability & Telemetry

- Datadog, Zabbix, Azure Monitor, AWS CloudWatch, VictorOps, PagerDuty, Prometheus, Grafana

Device Management & End-User Computing

- JAMF, Intune, Workspace One, Apple Business Manager, Munki, Puppet
- macOS, Windows, Linux, iOS, iPadOS, Android (Zero-Touch Deployments)

Collaboration Tools Administration

- Microsoft 365, Google Workplace, Slack (messaging integration), Zoom, Microsoft Teams (alerts and automation), LastPass, Meta Workplace, Atlassian Suite (Jira, Confluence)

AI & Automation

- **LLM Platforms:** OpenAI APIs, Anthropic Claude, Google Gemini, Microsoft Copilot, GitHub Copilot
- **Agentic Workflows:** Claude Code, OpenCode, Codex, MCP (Model Context Protocol) servers, custom tool integration
- **Local AI Infrastructure:** Self-hosted models on custom-built compute with AI-centric GPUs (NVIDIA RTX/A-series)
- **Automation:** Microsoft Power Platform, n8n, custom Python/Bash automation pipelines

Audio Engineering & Sound Design

- Pro Tools, Logic Pro, Digital Performer, Nuendo/Cubase, Ableton Live, Melodyne
 - Linux-based Low-Latency Systems, Live and Studio Sound Engineering
 - Synthesis and Sampling Systems (Hardware and Software)
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Leadership & Strategy

- Solutions Architecture and Technology Demand Planning
 - Agile Methodologies (Scrum, Kanban)
 - Global Cloud Migration and Optimization Programs
 - Vendor Relationship Management (Microsoft, AWS Solutions Teams)
 - Mentorship and Team Building (Training Junior Engineers, Cross-Functional Coaching)
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Personal Technical Projects (*Current*)

NASA/JPL Data Sonification Project

Collaborative project with JPL team exploring planetary data sonification — transforming NASA telemetry (solar wind, planetary ephemeris, space weather) into modulation sources for synthesis and generative sound design. Integrates real-time data pipelines from DSCOVR, JPL Horizons, and NOAA.

Linux Pro Audio DSP Platforms

High-performance Linux-based DSP system for network audio, synthesis, and MIDI/OSC control. Architected with **JACK2** audio routing, **Node.js** HTTP/WebSocket API, and real-time OSC protocol integration. Optimized for low-latency professional audio workflows over Gigabit Ethernet.

WordPress Plugin Development

Custom WordPress plugins for e-commerce, scheduling, and cloud service integrations using WooCommerce, Microsoft Graph API, and payment gateways.

Education

Musicians Institute, Los Angeles, CA 1999 – 2001 - **Honors Graduate** – Recording Institute of Technology (RIT) Program, focused on Audio Engineering, Signal Flow, Sound Design, and Synthesis. - Selected post-graduation to design and teach the **MIDI Sampling & Electronic Music Production** course for Level 2 students.

Professional Development

- Microsoft ESI Training: Azure AZ104, SC300, AZ1001, AZ2003, Dynamics CRM & ERP Fundamentals (*Completed April 2024*)
 - Apple Certified Macintosh Technician (ACMT), Apple Certified Portable Technician (ACPT)
 - MIT OpenCourseWare – Computer Science (self-study)
 - Ongoing leadership, cloud computing, Linux engineering, web and application development, and AI/ML specialization
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Personal Interests

- AI tooling, Linux pro audio systems, and sound design
 - Home automation, IoT, and whatever's on the workbench this week
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