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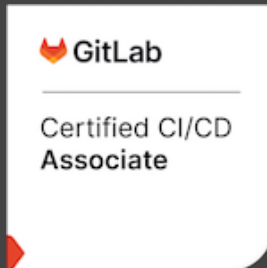
EXPERIENCE SUMMARY:

Senior Infrastructure Engineer with 26+ years of experience designing and managing enterprise IT environments. Proven expertise in VMware, release management, security remediation, and large-scale migrations. Adept at leading cross-functional teams and implementing Infrastructure as Code solutions using Terraform, Ansible, and GitLab CI/CD. Passionate about optimizing systems from the hardware layer to customer experience. Skilled in mentoring engineers and driving cross-team collaboration to deliver scalable, secure infrastructure.

Co-founded a generative-AI startup where I built and operated a full RTX-4090 GPU environment, optimized Stable Diffusion/ComfyUI pipelines, and owned the entire technical stack from model experimentation to SaaS automation. As well as being responsible for the internal company tools, company website & related tools.

CERTIFICATIONS:

GitLab Certified CI/CD Associate, (2024)



Microsoft Certified Professional, (2008)



CORE SKILLS:

- **Infrastructure Engineering & Platform Operations** — VMware ESXi 3.5–8.0, vCenter, SAN storage (Pure, NetApp, EMC), data center design/migration, enterprise services (AD, DNS, GPO, Exchange)
- **Automation, IaC & Delivery Engineering** — Terraform, Ansible, PowerShell, Python, JavaScript; OS deployment & hardening; security/compliance remediation; GitHub Actions, GitLab CI, Harness, vRA/vRO pipelines; Packer image pipelines
- **Observability, Modernization & MLOps/LLMOps** — Splunk, SolarWinds, vROPs; operational telemetry; GPU workflows; LLM automation pipelines; modernization of large-scale distributed systems
- **Enterprise SaaS Architecture & Integration** — Strong understanding of SaaS delivery models, identity patterns, and API-based automation within enterprise environments.
- **Endpoint & Device Management** — Experience with RMM and MDM platforms for remote monitoring, configuration enforcement, Bitlocker, patching, and lifecycle governance.

WORK EXPERIENCE:

Trace3 / Capital Group: Irvine, CA: **DevSecOps Engineer** (01/26 - Current)

- Automate and secure enterprise OS deployments through CI/CD pipelines leveraging vRA, vRO, Ansible Automation Platform (AAP), GitHub Playbooks, Ansible roles, and Nexus-managed binaries.
- Review and approve infrastructure-as-code changes to ensure secure, consistent, and compliant system builds across Windows and Linux environments.
- Develop, troubleshoot, and optimize PowerShell scripts implementing security baselines, configuration controls, and automated hardening logic.
- Validate and enforce security controls using Group Policy Objects (GPOs) after script-based testing to ensure consistent configuration across the enterprise.
- Diagnose and resolve OS build failures across automated provisioning workflows, orchestration layers, and ServiceNow CMDB integrations.
- Monitor and improve security posture using Tanium compliance scans, analyze remediation reports, and drive corrective actions to meet organizational benchmarks.
- Collaborate with platform, security, and automation teams to enhance pipeline reliability, configuration governance, and compliance accuracy.
- Hands-on experience with Enterprise IT operations, including ITIL frameworks and regulatory/compliance requirements.

TheQRTist.com: Boise, ID: **Co-Founder / GenAI Infrastructure Engineer** (Side project)

- Built and operated a full **local GenAI compute environment** using RTX 4090 GPUs, supporting high-throughput inference, model experimentation, and automated image/video generation workflows.
- Designed and maintained the **entire Generative AI toolchain**, including Automatic1111, Stable Diffusion, ComfyUI, custom nodes, LoRA pipelines, and isolated virtual environments for reproducible results.
- Conducted systematic **model evaluation and hyperparameter testing** across checkpoints, LoRAs, samplers, schedulers, and control networks to optimize output quality for commercial use cases & scanability of the artwork QR Codes.
- Engineered a workflow to generate **scannable QR-embedded artwork**, integrating brand logos and visual elements directly into the scene using diffusion-based conditioning and prompt-control techniques.
- Developed automated pipelines to convert still images into **high-quality video animations**, leveraging frame interpolation, motion models, and GPU-accelerated rendering.
- Owned the full **technical stack** for the startup, including GenAI infrastructure, customer-facing systems, SaaS membership platform, payment integrations, newsletter automation, analytics, and operational tooling.
- Managed internal IT systems including Google Workspace, communication platforms, project/task management tools, and security baselines for a lean early-stage environment.
- Collaborated on product direction, customer outreach, and technical feasibility assessments for new AI-driven features and offerings.
- Familiarity with generative AI concepts including MCP, RAG, context windows, token usage, skills, system prompts, prompt engineering, guardrails, and prompt injection.
- Experience with generative AI tools like Cursor, Claude Code, Claude Cowork, Codex, & Gemini.

Trace3 / Capital Group: Irvine, CA: **Senior Infrastructure Engineer / Release Manager / Senior Cloud Architect** (09/21 - 01/26) (Role change, still employed with Trace3)

- Spearheaded release management for 1300+ UCS, Dell, Pure, Brocade, VxRack, Cohesity, and VMware hosts across 30 VCSAs.
- Planned and coordinated multi-team release cycles, defining level of effort, dependencies, and risk mitigation strategies.
- Led hardware replacement initiatives, patching, security remediation, and compliance reporting for enterprise infrastructure. Automated some tasks using PowerShell and/or VCF PowerCLI.

- Operational ownership of asset management including purchasing, deployment, troubleshooting, and lifecycle planning.
- Upgraded VMware environments from 6.7 to 8.0, including testing, documentation, and implementation with zero business impact.
- Automated monitoring and remediation workflows using PowerShell and/or VCF PowerCLI and vRO, enhancing operational efficiency and audit readiness.
- Directed vRA/vRO SaaS-to-on-prem migrations, including new deployments, image management, and configuration standardization.
- Led Azure and Intune AD CS pentest remediation efforts, improving security posture across hybrid environments.
- Authored SOPs and how-to documentation to streamline future deployments and cross-team collaboration.
- Engineering Lead for Enterprise IT operations, including ITIL frameworks, CIS and other regulatory/compliance requirements.

WinCo Foods: Boise, ID: **Senior Systems Engineer** (11/14 - 09/21)

- Managed patching, security remediation, and upgrades across AD, GPO, Exchange, DNS/DHCP, IIS, SQL, and RDS HA environments.
- Designed and deployed Shavlik patching solution, modernizing server lifecycle from Windows Server 2003 to 2019.
- Engineered and led migration from 180+ physical servers to 70 VMs, reducing footprint and improving scalability.
- Oversight of asset lifecycle processes including acquisition, deployment, break/fix, and refresh planning.
- Designed and implemented HA RDS environment supporting 5000+ Thin Clients across multi-site infrastructure.
- Modernization of Exchange environment adding redundancy, redesigned databases, and optimized mail routing via GSLB DNS.
- Deployed VeeamOne backup and replication, PrinterLogic print management, and Citrix VDI proof-of-concept environments.
- Supported ESXi 7 on UCS and Pure storage, and managed enterprise tools including Confluence, Jira, SharePoint, SolarWinds, SCCM, Splunk, WhatsUp, and ADAudit.
- Led DR and resiliency planning/testing, ensuring business continuity across critical systems.

Recurrent Energy: San Francisco, CA: **Lead / Senior Systems Engineer** (10/13 - 08/14)

- Designed and implemented Disaster Recovery architecture and testing protocols across VMware and AD environments.
- Upgraded AD Schema and Exchange to latest versions, improving scalability and security.
- Deployed and managed Veeam backup and replication across production and DR sites.
- Installed and maintained EMC VNX storage arrays; optimized capacity through deduplication and backup reconfiguration.
- Standardized system builds and deployment processes, reducing provisioning time and support overhead.
- Engineered BitLocker encryption rollout for laptops and mobile devices, enhancing endpoint security.
- Managed VMware ESXi infrastructure hosted on Cisco UCS, ensuring high availability and performance.
- Management of enterprise asset lifecycle covering procurement, provisioning, incident remediation, and lifecycle strategy.

Taos / Juniper Networks: Boise, ID: **Senior Systems Engineer** (08/11 - 08/13)

- Supported VMware and storage infrastructure across 130+ servers totaling 13+ PB across NetApp, EMC, Hitachi, and HP.
- Led design and build of Disaster Recovery site hosting Citrix and Domain Controllers on VMware.

- Managed Infoblox DNS across 50+ appliances, ensuring reliable and secure name services.
- Maintained AD, GPO's, DNS, and Citrix environments supporting large-scale production workloads.
- Managed patching, migrations, and backups across enterprise systems using Veeam and ServiceNow.
- Authored SOPs, runbooks, and how-to guides aligned with ITIL-based operational processes, improving consistency across Admin and Helpdesk teams.

HP: Boise, ID: **Senior Storage & Systems Engineer** (01/10 - 08/11)

- Lead Architect on data center build with 100+ HP C-Class blades and EVA SAN storage for VMware ESXi 3.5-4.1.
- Configured clustering, failover, and vMotion across enterprise lab environments.
- Migrated 700 VMs and virtualized 300 physical servers to new data center infrastructure.
- Conducted infrastructure audits for HP's largest clients, replicating environments for testing and validation.
- Supported lab environments scaled for 10,000+ active users per client, testing printer driver updates and system performance.

Computer Stop: Nampa, ID: **Lead / Senior Systems Engineer** (05/09 - 01/10)

- Led a team of 5 admins/engineers; designed client data centers including server layout, cabling, and power/cooling planning.
- Migrated clients from Microsoft SBS to Linux PDCs and Exchange to Google Apps.
- Advanced service offerings to include hosted Linux LAMP stacks and thin client deployments.
- Authored SOPs and process flows to standardize deployments and support.

Xenial: Boise, ID: **Systems Engineer** (12/08 - 05/09) - 6 month contract

- Administered iGel thin clients and VMware ESX environments hosting client servers.
- Migrated desktops to thin clients and virtual workstations.
- Built Nagios monitoring server and automated client-specific processes with scripting.
- Managed off-site backups and configured HA, QoS, and cost-reduction solutions.

Matraex Inc: Boise, ID: **Lead Systems Engineer** (12/07 - 12/08)

- Managed co-located data centers and designed new client infrastructure.
- Migrated AD and Exchange environments to Server 2008 and Exchange 2007.
- Deployed Windows and Linux servers for web, email, file, and backup services.
- Automated daily processes with Bash and PowerShell scripts.

TelExtreme: Boise, ID: **Lead / Systems Engineer** (01/05 - 12/07)

- Oversaw VoIP data center infrastructure design including SIP switch and UM systems.
- Migrated Exchange 2003 to 2007; configured Linux DMZs and site-to-site VPNs.
- Led asset inventory standardization and patching strategy across client environments.

Velocitus: Boise, ID: **Tech Support / Systems Admin** (05/03 - 01/05)

- Provided support for VoIP, DSL, dial-up, and web hosting services.
- Maintained Exchange and Linux-based applications including Zimbra and Open-Xchange.
- Administered hosted Linux web servers and monitoring systems.

Boise PC Repair: Boise, ID: **Owner/System Builder/Systems Admin** (01/00 - 09/03)

- Built and repaired custom PCs; provided remote support, virus removal, backups, OS updates.
- Designed co-located server environments supporting HA and DR.
- Implemented ghost imaging and backup solutions for small business clients.

TECHNICAL HARDWARE, SOFTWARE & PLATFORMS:

Hardware & Storage:

Dell, HP, Cisco UCS | Infoblox DNS Appliances | NetApp, EMC, Pure, Kaminario

Networking & Security:

Cisco, HP, SonicWall Switches/Routers | VPN, SD-WAN, MFA, BitLocker | CrowdStrike, Okta

Virtualization & Platforms:

VMware ESXi 3.5–8.0 | Windows Server 2003–2025 | Red Hat, Oracle Linux, SuSE

Tools & Automation:

vRA/vRO | Packer | Terraform | Ansible | PowerShell, VCF PowerCLI, Python, JavaScript | GitLab, GitHub

Monitoring & Management:

Microsoft Intune, SolarWinds, SCCM, Splunk, Tanium | Veeam Backup & Replication | ADAudit, Nagios

EDUCATION:

Boise State University, Computer Information Systems, Boise Id (08/00 - 06/01)

Completed foundational coursework in computer systems and Microsoft Office applications. No degree.

MicronPC, Nampa Id: Student Internship (02/99 - 04/99)

Trained to build PC's & Notebooks. Know all hardware & their functions. Taught Burn-in & QA processes.