Justin Knox, CISSP, CISA

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Location: Detroit, MI, USA | **Nationality:** USA

PROFESSIONAL SUMMARY

Systems & Infrastructure Engineer with 20+ years building scalable, automated platforms across cloud, HPC, and hybrid environments. Skilled in Kubernetes, infrastructure-as-code, and CI/CD pipelines using open-source tools. CISSP, CISA-certified with proven ability to deliver resilient, production-grade systems.

Featured: Google • British Telecom • Scientific Games

PROFESSIONAL EXPERIENCE

Cyber Security Analyst | DTE Energy (via Strategic Staffing Solutions)
Gas Cybersecurity Compliance
Detroit, MI | 10.2024 – Present | 40% Remote
• Implemented vulnerability management operations across hybrid IT/OT environments, building remediations based on CVE/CVSS scores and tracking via SLA-compliant workflows
• Integrated TLS, IPsec, and 802.1X protocols with RBAC and ACLs to safeguard mission-critical traffic across segmented networks

Senior IT/OT Infrastructure Administrator | Great Lakes Water Authority
Cyber & Information Security, Water Resource Recovery Operations
Detroit, MI | 9.2023 – 10.2024 | Onsite to 20% Remote
• Built and deployed centralized cyber defense platform integrating SIEM, CMDB, and IPAM (PostgreSQL, Redis, Jenkins) across segmented IT/OT environments
• Designed and implemented clustered Debian/Red Hat Linux virtualization environment with automated provisioning, patching, and sustainment pipelines using PowerShell and Bash, aligned with NIST 800-53, CSF 2.0, and Zero Trust principles
• Supported SCADA and DCS modernization through collaborative field operations engagement, troubleshooting hybrid control system architectures
• Deployed TLS 1.2 and X.509 certificate frameworks to secure communication channels between DMZ-layer applications

Systems Engineer | Corewell Health (Project-based via Matech Resources, LLC)
Critical Environment Engineering
Grand Rapids, MI | 6.2023 – 9.2023 | Onsite to 20% Remote
• Optimized production workflows to cut deployment time by 40% while applying industry-standard methodologies for infrastructure scalability and maintainability

Senior Operations Engineer | Google
Rotations: Network, Server, Hardware, Engineering Field Services & Cloud VMWare
Charleston, SC / Reston, VA / Washington DC | 12.2018 – 12.2021 | 100% Onsite

• Deployed East Coast's Google Cloud VMware Engine project, delivering 75% of milestones ahead of schedule by driving infrastructure readiness, workload isolation, and secure-by-default configurations across production systems
• Developed automation tools (Bash, Python, G-SQL/BigQuery, gRPC, Borg/Kubernetes) to streamline server diagnostics and repair workflows, achieving over 800% efficiency improvement
• Awarded 19 Peer Bonuses and 2 Challenge Coins for excellence under pressure during Hurricane Dorian and COVID-19 pandemic

Data Center Technician | Switch Inc.

Network Operations
Las Vegas, NV | 7.2017 – 12.2018 | 100% Onsite
• Conducted physical penetration tests for high-profile data center clients
• Automated ticket workflows with AutoHotKey, reducing processing time by 65%

Senior Technical Specialist | Scientific Games (formerly Bally Technologies)

Technical Training and Documentation Department
Las Vegas, NV | 11.2013 – 4.2015 | 100% Onsite
• Developed and deployed company's first internal training portal
• Implemented Nevada Gaming Control Board and New Jersey Division of Gaming Enforcement security protocols
• Developed technical field service videos, reducing travel-related training costs by 95%

Senior Network Event Management Technician | British Telecom (formerly Infonet)

Rotations: Network Operations Center, Network Event Management Center, Global Converged Services Center
El Segundo, CA | 5.2008 – 9.2009 | 100% Onsite
• Managed incident response for OSI L1-3 across MPLS & BGP, utilizing Cisco, Juniper, and Alcatel-Lucent platforms
• Developed OpenCV-based machine vision automation scripts to reduce incident resolution time from 4 hours to under 10 minutes

EDUCATION

Bachelor of Science in Computer Engineering Technology

DeVry University, Long Beach, California | 10.2003 – 5.2008
Cum Laude, GPA: 3.6

CERTIFICATIONS

• **CISSP** – Certified Information Systems Security Professional (ISC2, March 2024)
• **CISA** – Certified Information Security Auditor (ISACA, November 2024)
• **Security+** – Computing Technology Industry Association (CompTIA, November 2023)
• **OSCP** – Offensive Security Certified Professional (**In Progress**, Expected September 2026)

TECHNICAL SKILLS

Infrastructure & Virtualization: KVM, ESXi, Hyper-V, Docker, Kubernetes, VMware, AWS, Azure, GCP, System Hardening (Debian, Red Hat, SELinux)
Automation & CI/CD: Bash, PowerShell, Python, Ansible, Jenkins, GitLab CI/CD, IaC Pipelines
Security: SIEM, IAM, TLS/X.509, Zero Trust, Network Segmentation, Vulnerability Management
Databases & Tools: PostgreSQL, Redis, Active Directory, LDAP, Cisco IOS, OPNsense
Programming: Python, C, C++, Java, JavaScript, Ruby, Assembly
Languages: English (Native); German & Spanish (A1); French, Chinese, Italian (Basics)