**JUSTIN T. KNOX, B.Sc., C.C.**

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**SUMMARY:**

• L3 Networking & Systems Engineer with 20 years of experience in the tech industry.

• 10+ years of professional experience in automation, support, and development.

• Demonstrated leadership, problem-solving and adaptability with expertise in mentoring, training and end-user focus.

**EXPERIENCE:**

**Systems Engineer** ​​June 2023 –​ Present​

Corewell Health, Critical Environment Engineering (CEE) | Contract, Onsite | Grand Rapids, MI

Collaborated with the multi-team, cross-functional agile train to deploy, provision, and maintain the companies exisiting and future infrastructure across OSI L1-4.

• Doubled the production compute infrastructure within a 40% faster than estimated delivery time through providing experienced deployment methods using industry best practices.

• Decreased CEE related incidents by 4% through complete audit and documentation overhaul for the East MI region (still in progress).

• Developed and deployed the “Generate Decom” feature for the internal DC inventory system. (still in progress)

**Skills:** SQL· JavaScript · GitHub· Python · PowerShell · Bash · Splunk · SCADA

**Network Engineer II** March 2023 –​ June 2023​

jPeg Design | Research & Development, Onsite Deployment, Support & Maintenance| Dundee MI

Collaborated with a 3 person team to design, deploy and maintain small – medium business infrastructure, utilizing all layers of the stack.

• Developed the companies first inventory, customer, client and installation databases, effectivilye eliminating 35 hours / week for prior data entry.

• Developed in house automation software, including password management and deployment monitoring software.

**Skills:** PostgreSQL · Python · GitHub · Azure PostgreSQL · AWS · GCVE · PowerShell · Bash · MoiP

**Position Title** ​​Month YYYY​ –​ Month YYYY​

Company Name / City, State

Worked in a marketing automation platform organization, assisting businesses of various sizes. Collaborated with a 1,200-person team to improve security and comply with SOC 2 and PCI-DSS. Led projects to strengthen security processes and promote best practices.

* Accomplished [X] as measured by [Y], by doing [Z]. X is in red Y is in green Z is in blue
* Negotiated reduction in costs to perform post-delivery support by 30% ($500k) with tool/software/service/etc. by designing and using results from an online auction of multiple vendors
* Streamlined deployment and configuration processes reducing deployment time by 50% in multiple workstreams using Python scripting with Ansible and Terraform automation
* Designed and implemented a scalable microservice architecture for a high-traffic e-commerce platform increasing transactions per second by 75% by optimizing database queries, implementing caching mechanisms, and leveraging Kubernetes for container orchestration

**Skills:** Terraform · Kubernetes · Jira · GitHub · Python · PowerShell · Ansible · Bash · Azure · Splunk

**EDUCATION:**

University ABC City, ST

M.B.A. Program Name, Honors Graduate, GPA if above 3.5 Month YYYY​

* Thesis: Be brief, describe your if your degree required a thesis.
* Relevant extracurricular

University/College Name City, ST

B.S. Full-Time Program/Associates, Honors Graduate, GPA if above 3.5 Month YYYY​

* Successfully completed thesis research project on the impact of employee motivation on organizational performance and developed a policy framework to enhance motivation within an organization.
* Relevant extracurricular

**CERTIFICATIONS/PUBLICATIONS/PROFESSIONAL ASSOCIATIONS:**

- CVEs, if you have multiple then this section could go before work experience

-Relevant certifications and expiration date in priority order: CISSP goes before CEH or Security+.

-Relevant publications including published articles on Medium, LinkedIn, and blogs

-CVEs if you have them might go before certifications.

**SKILLS:**

-Languages: C/C++, Python, Javascript, HTML, Embedded C/C++, C#, .NET

-Kali: bash, VI, WPScan, Wireshark, nmap, scapy, Metasploit, Meterpreter, DirBuster, Aircrack-ng, DNSRecon, enum4linux, exploitdb, binwalk, zaproxy

-Windows: Sysinternals, Powershell, Windows Subsystem for Linux, WMIC, Firewall, and Registry

-Virtualization: ESXi, VMware, VirtualBox, Docker, AWS EC2

**PROJECTS:**

-Home lab running ESXi with appliances including Security Onion, Splunk, and an isolated 30-VM training range designed to practice red and blue team efforts

-JaegerShell: a custom PowerShell suite that launches Sysinternals for DFIR practices that automatically parses responses into JSON and pushes high likelihood responses to a personally trained AWS Sagemaker instance

**VOLUNTEER/LANGUAGES/AWARDS:**

* Awards: Awards you won for performance or competitions.
* Social Languages: Conversational in XXX, Studied XXX in Country

You don’t need to list references or add a “references available on request.” If they want references, they’ll ask.