Kevin Campos
Phone: 915-861-3947
Email: kvncampos@protonmail.com
Country of Citizenship: United States
Veteran's Preference: No
Recent Graduate: May 2023
Portfolio: https://www.mywebdev-resume.com

Portfolio

EDUCATION

Masters of Business Administration (M.B.A.)
Western Governors University (WGU), Salt Lake City, Utah
Major: Information Technology Management
Graduation Date: May 2023

Bachelor of Science (B.S.)
Western Governors University (WGU), Salt Lake City, Utah
Major: Information Technology
Graduation Date: June 2022

CERTIFICATIONS & TRAINING

- CompTIA Security +
- CompTIA Network+
- CompTIA Project +
- ITIL v4 Foundations
- Cisco Certified Network Professional
- Cisco DevNet Professional

- HashiCorp Terraform Associate
- AWS Cloud Practitioner
- AWS: DevOps Engineering
- Python Training: Raymond Hettinger
- API Development
- Python Bootcamp

PROFESSIONAL EXPERIENCE

Sr. Engineer
American Airlines | Dallas, Tx
01/2025 - Present | 40 Hours/Week

- **Automation and Technical Contributions**:
    - Automated invoice extractions from various sources (CSV, PDF, BDF) into Nautobot using Python modules like PyMuPDF and Regex, creating a source of truth for accurate data.
    - Developed 5+ Django Jobs in Nautobot for structured data extraction and transformation, supporting the monthly reconciliation of $5M+ in circuit costs.
    - Built automated solutions for the telecom team, including a system that triggers decommissioning of circuits and automatic cable disconnection when associated devices are no longer detected in network monitoring tools.
    - Standardized development workflows by implementing linting, testing, and CI/CD using pytest, unittest, ruff, pre-commit, and GitHub Actions, improving deployment consistency and reducing bugs by 40%. Ensured code documentation was present for new features using MKDocs.
- **Design and Development**:
    - Created multiple custom Django views and UI enhancements, resulting in a 50% faster navigation experience for finance and network teams.
    - Enhanced the AKiPs Python module to support dynamic time intervals, enabling the retrieval of 12+ months of historical data.
    - Improved the AKiPs Python module to support anomaly detection for interfaces exceeding 85% utilization over a predetermined time period.
- **AI and Machine Learning**:
    - Designed and deployed a machine learning model leveraging the Prophet module to forecast future circuit utilization with 85% accuracy, helping proactively manage bandwidth and reduce circuit outages.
    - Designed and deployed a machine learning model leveraging the Prophet module to forecast future circuit availability based on historical data.
    - Integrated capabilities to create data visualizations using Plotly for enhanced decision-making and reporting.

Sr. Network Automation Consultant
Network To Code | New York, NY
06/2024 - 01/2025 | 40 Hours/Week

- **Automation and Technical Contributions**:
  - Automated clients' network infrastructure, including **Source of Truth (SoT)**, inventory management, and compliance enforcement for both hardware and software configurations, ensuring adherence to organizational standards and reducing configuration drift by 35%.
  - Designed and executed Django Jobs to migrate Nautobot from version 1.6 to 2.x, addressing complex data duplication issues and achieving a 20% reduction in IPAM data storage.
  - Developed automation solutions for importing inventory data, automating configuration backups, and setting up compliance checks, significantly reducing manual intervention and enabling seamless integration across systems.
  - Created workflows for automated network de-provisioning, physical cable management, and bulk data imports/edits using Nautobot jobs, hooks, and custom UI buttons, minimizing manual processes and enhancing data integrity.
- **Stakeholder Engagement and Technical Leadership**:
  - Led over 10 client discovery and design sessions, gathering critical insights to customize automation solutions based on unique client requirements, resulting in a 40% increase in user satisfaction and a 25% improvement in system usability.
  - Provided strategic technical leadership on multiple high-profile projects, offering innovative solutions to mitigate project risks and ensure timely delivery within budget constraints.
- **Design and Development**:
  - Converted complex manual workflows into structured automated processes, developing detailed high-level and low-level technical designs.
  - Created comprehensive technical documentation to support ongoing system maintenance and knowledge transfer, facilitating smoother transitions and knowledge retention among end users.

Lead Software Engineer (Contract - Motion Recruitment)
Wells Fargo | San Francisco, CA
03/2024 - 06/2024 | 40 Hours/Week

- **Security Infrastructure Automation:**
  Led the automation of security infrastructure processes, focusing on utilizing Ansible for day-zero provisioning of CipherTrust Manager, which improved cryptographic key management efficiency by 40%. Coordinated with cross-functional teams to gather requirements, define project scope, and ensure alignment with organizational security objectives, resulting in a 30% reduction in provisioning time and enhanced overall system security.
- **Python Script Development:**
  Developed robust Python scripts to automate the retrieval and posting of cipher keys to an internal API, enabling seamless integration with existing systems and improving data transfer efficiency by 50%. Contributed to codebase optimization by refining existing scripts, enhancing performance, and maintaining high coding standards.
- **Project Design and Stakeholder Engagement:**
  Led comprehensive project design sessions with key stakeholders, identifying project requirements and devising innovative solutions to meet organizational needs. Successfully presented technical solutions to senior management, effectively communicating project timelines, expected outcomes, and potential risks, which led to increased buy-in and support from executive leadership.
- **Continuous Improvement and Quality Assurance:**
  Championed continuous improvement initiatives, conducting regular code reviews and implementing quality assurance checks to maintain high standards in code quality and system reliability. Introduced new tools and methodologies to the team, which enhanced automation capabilities and improved the overall security posture of the organization.

Software Engineer (Network SRE Team)
Cisco Systems | San Jose, CA
07/2022 - 03/2024 | 40 Hours/Week

- **Network Infrastructure Automation:**
  Developed and implemented a series of Python scripts to automate network infrastructure management, significantly improving response times during critical incidents, such as BGP Hijacking scenarios. These scripts directly contributed to a 60% reduction in incident resolution time, ensuring minimal disruption to network operations. Leveraged Ansible playbooks to deploy standardized configurations across a multi-vendor network environment, covering Cisco IOS, IOS-XR, and NX-OS platforms, thereby enhancing configuration consistency and reducing deployment errors by 45%.
- **Advanced Network Issue Diagnosis and Resolution:**
  Utilized advanced troubleshooting techniques to diagnose and resolve complex network issues, ranging from

security vulnerabilities to switching problems. Conducted comprehensive root cause analyses and implemented solutions that improved network reliability by 35%. Regularly performed risk assessments to identify potential security threats, developing and implementing preemptive measures that reduced security incidents by 25%.

- **Monitoring and Automation Development for Cisco WebEx Infrastructure:**
  Spearheaded the development of monitoring solutions for the Cisco WebEx Infrastructure using SQL and SWQL, creating dynamic dashboards that improved network visibility and operational efficiency by 40%. Integrated monitoring systems with PagerDuty using REST APIs, enhancing incident alerting and response mechanisms, which reduced mean time to resolution (MTTR) by 50%.
- **Innovative Solution Development and Implementation:**
  Led the design and implementation of a solution leveraging AWX, InfluxDB, and Grafana to provide real-time inventory information and end-of-life (EOL) data, enabling the organization to better plan for data center vulnerabilities, consolidation, cost savings, and device replacements. This initiative, which utilized Python libraries and custom-built modules, resulted in a 30% reduction in planning time for data center upgrades and replacements.
- **Leadership in Cross-functional Collaboration:**
  Collaborated with cross-functional teams, including security, compliance, and network operations, to enhance the overall security posture of the network environment. Led vulnerability management efforts, including spearheading a major vulnerability EPIC in JIRA for the Government Calling Environment, which resulted in the prompt resolution of over 50 security vulnerabilities in compliance with regulatory standards.
- **Software Upgrade Management:**
  Managed and executed software upgrades for FEDRamp devices, coordinating with multiple teams to ensure upgrades were completed on schedule and in compliance with all federal security requirements. This effort maintained 100% compliance with security standards and minimized downtime through strategic scheduling and risk management.

SKILLS & ABILITIES

Technical Proficiencies:

- **Programming & Scripting Languages**: Python, JavaScript, HTML, CSS, Node.js, Flask, Django
- **Automation & Configuration Management**: Ansible, Terraform, network automation tools (e.g., Nautobot), CI/CD pipelines
- **Networking Technologies**: Cisco IOS, Juniper OS, IPAM, Solarwinds Orion, SNMP, REST APIs
- **Network Management & Monitoring**: ServiceNow, HPOpenView, Solarwinds Orion, network troubleshooting and optimization
- **Databases & Data Management**: SQL, PostgreSQL, data migration and manipulation
- **Operating Systems**: Linux (CentOS, Ubuntu), Windows Server
- **Cloud Technologies & Virtualization**: AWS, Azure, VMware, Docker, Kubernetes

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HONORS & AWARDS

June 2023 Spotlight Employee Award | *Cisco Systems - Cisco Webex*

- Recognized as the Spotlight Employee for outstanding contribution to the Cisco Webex team. Awarded for leading the development and implementation of an End of Support (EOS) Dashboard, which provided critical insights into device upgrade and decommissioning needs. The dashboard improved planning and execution for device lifecycle management, reducing risks associated with EOS support lapses and enhancing overall network security and compliance.

VOLUNTEER WORK

Pantry Worker (Volunteer)
Community Enrichment Center (CEC) | North Richland Hills, Texas
07/2022 - 03/2024 | 5 Hours/Week

- **Client Service and Support**:
  Assisted families in need by distributing food and essential supplies, contributing to the CEC's mission to empower families and build brighter futures. Engaged directly with clients to understand their needs, providing compassionate service and fostering a welcoming environment.