


TOYOKO RIVERA

SECURITY CONSULTING ENGINEER

Active Secret Clearance

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EDUCATION

MS, Information Security
Lewis University, Romeoville, IL
Graduation Date: May 2016

BS, Computer Science
University of North Carolina at
Pembroke, Pembroke, NC
Graduation Date: May 2012

CERTIFICATIONS

AWS Certified Cloud
Practitioner

Microsoft Certified: Azure
Fundamentals

Certified Information Systems
Security Professional (CISSP)

Certified Kubernetes
Application Developer (CKAD)

Cisco Certified Devnet
Specialist – Core

Cisco Certified Network
Professional – Security

PROJECTS

SERVERLESS RESUME WEBSITE

Technologies Used: AWS, Terraform, Python, JavaScript, HTML, CSS, Git

- Designed and built a serverless web application using AWS services such as API Gateway, CloudFront, Lambda, and S3, reducing infrastructure costs while improving scalability and availability.
- Implemented a real-time visitor counter using Python (Lambda) and JavaScript, backed by DynamoDB, to track and display traffic metrics.
- Configured a custom domain with AWS Route 53, providing a professional and branded user experience.
- Provisioned infrastructure using Terraform to define and manage AWS resources as code, enabling repeatable, version-controlled deployments.
- Implemented a CI/CD pipeline using GitHub Actions and Cypress to automate building, testing and deployment workflows, ensuring reliability and code quality across updates.

EXPERIENCE

CISCO SYSTEMS | January 2019 – December 2023

Security Consulting Engineer

- Automated customer vulnerability scoring by integrating Cisco Identity Services Engine (ISE) with Tenable.io via API scripting (Python), improving remediation visibility and helping retain key clients.
- Containerized an internal tool using Docker, improving portability and environment consistency during client demos and development.
- Led proof-of-concept deployments and troubleshooting of network access control solutions, including certificate-based authentication, and 802.1x.
- Designed and implemented Cisco ISE solutions tailored to client infrastructure and security policies, ensuring seamless integration and regulatory alignment.
- Deployed Cisco ISE for wired, wireless, and VPN Network Access Control (NAC), strengthening enterprise security posture.
- Assessed clients' network security requirements and translated them into enforceable Cisco ISE policies aligned with industry best practices.
- Collaborated cross-functionally to resolve complex Cisco ISE implementation issues, minimizing service disruptions while maintaining secure access.
- Integrated Cisco ISE with third-party solutions such as Mobile Device Management (MDM) platforms and vulnerability assessment tools to enhance policy enforcement and network visibility.

KAZTRONIXS | October 2016 – January 2019

System Engineer

- Monitored WAN/LAN performance across CONUS and OCONUS sites for the US Army Reserve Command using tools such as CA Spectrum, Blue Coat, NetQos, and eHealth.
- Administered four DHCP servers, managing the creation, modification, and removal of DHCP reservations to ensure accurate IP assignments across the network.
- Generated and analyzed bandwidth and protocol utilization reports to support capacity planning and network performance optimization.
- Diagnosed and resolved connectivity issues related to VPNs, applications, email, applications, hardware and peripheral devices, maintaining operational uptime for end users.

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SKILLS

Cloud & Infrastructure:

AWS (S3, Lambda, Route 53, API Gateway, DynamoDB, EC2, VPC), Infrastructure as Code, Terraform

DevOps & Automation:

Docker, Version Control (Git), GitHub Actions, CI/CD Pipelines, Bash Scripting, Python Automation, REST APIs, YAML, JSON

Security & Networking:

Cisco Identity Services Engine (ISE), AAA (Authentication, Authorization and Accounting), 802.1x, Network Access Control (NAC), VPN, Cisco Firepower/ASA Firewalls

Monitoring & Tools:

CA Spectrum, NetQoS, eHealth, Remote Desktop Tools (DameWare, RDP, IBM Tivoli Remote Control)

Operating Systems &

Development: Linux, Windows Server, HTML, CSS, JavaScript

KAZTRONIXS | July 2016 – October 2016

Service Desk Technician

- Delivered local and remote IT support for the United States Army Reserve Command Headquarters, resolving user issues efficiently across multiple departments.
- Deployed and configured laptops, desktops, operating systems, and essential applications in accordance with organizational standards.
- Reimaged systems to maintain IAVA (Information Assurance Vulnerability Alert) compliance, ensuring security policy adherence.
- Served as a Trusted Agent for CAC Pin resets, ensuring secure identity verification processes.
- Provided remote assistance using DameWare and Remote Desktop to troubleshoot and support end users.
- Logged and escalated technical incidents in the CA ticketing system, ensuring proper documentation and issue resolution tracking.

ARMY NATIONAL GUARD | October 2012 – October 2018

Signal Support Systems Specialist

- Provided technical support for various communication systems, including hardware and software troubleshooting, repair and configuration.
- Operated and maintained tactical communications systems, ensuring reliable and secure communication channels. Performed preventive maintenance checks and services (PMCS) to maintain system readiness and minimize downtime.
- Trained unit personnel on the proper usage and routine maintenance of communication gear, to promote operational effectiveness and self-sufficiency.