


TOYOKO RIVERA

SECURITY CONSULTING ENGINEER

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EDUCATION

MS, Information Security
Lewis University, Romeoville, IL
Graduation Date: May 2016
GPA: 3.52

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)

Cisco Certified Devnet
Specialist – Core

Cisco Certified Devnet
Associate

Cisco Certified Network
Professional – Security

Cisco Certified Network
Professional –R&S

PROJECTS

SERVERLESS RESUME WEBSITE

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

- Designed and implemented a serverless web application using AWS services such as API Gateway, CloudFront, Lambda, and S3, reducing infrastructure costs and improving scalability.
- Implemented a visitor counter for the website using Python for the backend logic and JavaScript for frontend interaction, providing real-time insights into website traffic.
- Utilized AWS DynamoDB to store and manage data for the web application, ensuring fast and reliable access to information.
- Configured a custom domain for the web application using AWS Route 53, providing a more professional and branded user experience.
- Utilized Terraform to implement Infrastructure as Code (IaC), configuring AWS resources such as API Gateway, Lambda functions, DynamoDB tables, and S3 buckets for the project, ensuring consistent and reproducible infrastructure deployments.
- Implemented a CI/CD pipeline using GitHub Actions to automate the build, test and deployment process, integrated with Cypress for smoke testing, ensuring code quality and deployment reliability.

EXPERIENCE

CISCO SYSTEMS | January 2019 – December 2023

Security Consulting Engineer

- Developed a custom script utilizing Cisco ISE and Tenable APIs to extend the capabilities of the native integration, enhancing the interoperability and functionality of both systems.
- Containerized the custom script using Docker, ensuring portability while simplifying deployment and management across various environments.
- Drove technology design, implementation, execution and/or optimization for customer projects/accounts.
- Worked with customers to plan, design, configure and/or diagnose Cisco's suite of products, services, and solutions to accelerate customer outcomes.
- Designed and implemented end-to-end Cisco Identity Services Engine (ISE) solutions, ensuring seamless integration with clients' existing network infrastructure and security policies.
- Spearheaded the deployment and configuration of Cisco ISE for comprehensive network access control, encompassing wired, wireless, and VPN environments, to enhance overall network security posture.
- Conducted thorough assessments of clients' network security requirements and translated them into effective Cisco ISE policies, addressing regulatory compliance and industry best practices.
- Collaborated with cross-functional teams to troubleshoot and resolve complex issues related to Cisco ISE implementation, ensuring minimal disruption to network services while maintaining a secure access environment.
- Led training sessions for IT teams on Cisco ISE functionalities, best practices, and troubleshooting techniques, contributing to increased operational efficiency.
- Implemented the integration of Cisco ISE with third-party solutions, including Mobile Device management (MDM) platforms and vulnerability assessment tools, to enhance network security and visibility.

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SKILLS

Cloud Platforms: AWS

Infrastructure as Code (IaC)

Tools: Terraform

Security: ISE, ASA,

Firepower, VPN

Programming Languages:

Python

Virtualization: VMware ESXi

Operating Systems: MS

Windows, MacOS, Linux

KAZTRONIXS | October 2016 – January 2019

System Engineer

- Monitored network services for the entire US Army Reserve Command network, both CONUS and OCONUS, utilizing various WAN/LAN Network monitoring tools (CA Spectrum, Blue Coat, NetQos, eHealth, etc)
- Served as an Administrator for four DHCP servers. Responsible for the management, creation, and deletion of DHCP reservations.
- Produced and evaluated site-level reports on bandwidth usage and protocol utilization.
- Identified and resolved issues related to internet connections, VPNs, applications, email, and hardware/peripheral equipment.

KAZTRONIXS | July 2016 – October 2016

Service Desk Technician

- Provided local and remote IT support for the United States Army Reserve Command Headquarters
- Deployed and configured computer hardware, operating systems and applications.
- Reimaged laptops as required to maintain IAVA compliance for systems.
- Diagnosed and resolved issues with network connectivity, hardware, software and VOIP phones as well as local and networked printers.
- Served as a Trusted Agent, conducting CAC Pin resets.
- Utilized DameWare and Remote Desktop Connections to remotely access client PCs.
- Documented all technical issues in the CA ticketing system and escalated them as necessary.

ARMY NATIONAL GUARD | October 2012 – October 2018

Signal Support Systems Specialist

- Provided technical support for various communications equipment, including troubleshooting and repair of hardware and software issues.
- Operated and maintained tactical communications systems, ensuring reliable and secure communication channels.
- Conducted preventive maintenance checks and services (PMCS) on communication systems to ensure operational readiness.
- Trained personnel on the proper use and maintenance of communication equipment, ensuring proficiency and readiness within the unit.