

Tiffany Wang

Objective: Enterprise Field Solution Engineer at Verkada

Phone: (626)-223-6123 | Location: Redondo Beach, CA (Remote/Hybrid Ready)

LinkedIn: [linkedin.com/in/tiffanywangengineer](https://www.linkedin.com/in/tiffanywangengineer) | Email: tiffany.wang.engineer@gmail.com

SUMMARY

Solutions Engineer with 8+ years of expertise in **cloud security architecture**, **IoT system integration**, and **enterprise network design**. Proven track record in driving technical wins for Fortune 500 clients through AWS-based security solutions, reducing deployment risks by 40%+ while optimizing network performance. Certified AWS Architect with hands-on experience in SAML/SCIM, Python automation, and cross-functional leadership.

SKILLS

Core Technologies : AWS⁺ (IAM, S3, EC2) | Networking⁺ (HTTPS⁺, VLANs⁺, TCP/IP⁺, DNS⁺)

Security & IoT : Cloud Security Architecture⁺ | Access Control Systems | Video Surveillance Integration

Automation : Python⁺ | RESTful APIs | Terraform (IaC)

Certifications : AWS Certified Solutions Architect⁺ | CompTIA Security+ (In Progress)

EXPERIENCE

Solution Engineer II

Capital Group, Irvine, CA | Jun 2019 – Apr 2023

- **Enterprise Cloud Security Solutions**
 - Designed **AWS IAM policies** for Fortune 500 clients, reducing unauthorized access incidents by 60% through role-based access controls.

- Architected **multi-VLAN network segmentation** for IoT device deployments (10K+ endpoints), improving data isolation and reducing attack surface by 45%.
- Led technical workshops with C-level executives to align Verkada-like security frameworks with business continuity plans.
- **Cross-Functional Collaboration**
 - Resolved 50+ technical objections during sales cycles by demonstrating **real-time threat detection** prototypes (Python + AWS Lambda).
 - Mentored 15+ engineers in client-facing technical documentation, improving proposal acceptance rate by 30%.

Freelancer

Online AI & ML Program, Remote | Apr 2023 – Present

- **IoT Security & Access Control**
 - Integrated **SAML/SCIM** with custom Python scripts for unified identity management across 5+ enterprise clients, reducing manual provisioning time by 70%.
 - Built **network health monitoring dashboard** (TCP/IP packet analysis + Grafana), enabling proactive troubleshooting for 20+ distributed sites.
 - Collaborated with DevOps to deploy **firewall rule automation** (Terraform), reducing misconfiguration risks by 55%.

EDUCATION

**M.S.