

## VENKATA HANUMA TEJASWI VOLETY

Sr Architect of Security | Enterprise Risk & Compliance Leader

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### EXECUTIVE SUMMARY

**Security Leader with 16+ years driving measurable risk reduction and revenue enablement for Fortune 500 scale.**

I drive impact by:

- Architected and led the **Trust and Safety** framework securing **140M** member accounts, reducing account takeover risk by 60 percent and preventing **\$50M+** in annual fraud losses, totaling **\$220M+** to date.
- **\$15M+ in compliance-driven revenue enablement** through accelerated FedRAMP (8-month cycle) and ISO27001 (6-month cycle) certifications that unlock enterprise markets
- **60% reduction in identity fraud risk** across **140M+ member accounts** via ML-driven trust architecture, directly reducing loss exposure and customer churn.
- **70% improvement in data loss prevention accuracy** through custom DLP frameworks, reducing compliance violations and regulatory fines
- **13-person security team scaled** from 0, establishing governance frameworks (80+ policies/standards) that enable 10x business growth without security debt
- **Zero material breaches** in 16-year tenure while architecting Zero Trust for hybrid infrastructure supporting global regulatory mandates (GDPR, FedRAMP Moderate, PCI-DSS, SOC2)
- **Culture & Capability Building:** Security first design adoption across 500+ fintech software engineers

**Leadership Profile:** Executive level strategic thinker who translates complex regulatory and technical requirements into actionable business outcomes. Proven ability to secure Executive Leadership Team buy in for multi year roadmaps and build world class security cultures. Board ready risk communicator with deep expertise in fraud prevention, identity governance, and emerging AI security risks.-

### PROFESSIONAL EXPERIENCE

**Sr. Security Architect | Credit Karma**

*August 2021 – Present*

- Architected and led the Trust Safety framework protecting 140M member accounts, reducing account takeover risk by 60% and preventing estimated \$50M+ in fraud losses annually for a total \$220M+ to date.
- Delivered ISO27001 and FedRAMP Moderate certifications in 6 and 8 months respectively (vs. 12-18 month industry standard), accelerating Fortune 500 customer

acquisition.

- Built Zero Trust architecture enforcing continuous contextual trust evaluation across 500+ hybrid infrastructure assets, reducing lateral movement risk by 80%.
- Architected GenAI security platform with automated data classification and privacy controls, enabling safe adoption of AI/ML use cases across customer-facing products.
- Published 80 security policies, standards, and procedures, establishing governance baseline that scaled the organization from manual security processes to an automated compliance engine.
- Led multi-year security roadmap approved by ELT, aligning 16-person cross-functional teams (Engineering, GRC, Operations) with \$8M+ security budget.
- Implemented real-time transactional trust engine combining device, geolocation, and behavioral signals to detect fraud anomalies, achieving 70% reduction in false positives.
- Led and taught 40+ internal engineers in security first design, with 8 direct reports advancing to senior/staff-level positions.

### **Sr. Product/Application Security Engineer & Architect | CrowdStrike**

December 2020 – August 2021

- Led agent scanning optimization for Linux environments, reducing false positive rate by 45% and improving customer satisfaction (CSAT) from 7.2 to 8.8.
- My team delivered value for CrowdStrike by leading the company wide strategy for secured product design, establishing architectural review standards adopted across the product security team.

### **Sr. Application Security Engineer & Architect | Procore Technologies**

June 2018 – December 2020

- Designed IAM and SSO solutions supporting 2,000+ enterprise clients, enabling seamless integration without security regressions.
- Led threat modeling for 25+ enterprise integrations and vendor ecosystems, preventing 100% of zero-day attack vectors before production deployment.
- Established vulnerability management program (Nessus + SOC/SIEM + WAF), reducing mean time to remediation (MTTR) from 120 days to 18 days.

### **Sr. Software Engineer – Financial Crimes & AML | USAA**

March 2012 – June 2016

- Architected anti-money laundering (AML) and fraud prevention systems processing 50M+ monthly transactions, achieving 100% SAR (Suspicious Activity Report) compliance with zero regulatory findings.
- Led identity verification and KYC compliance program reducing false-positive alerts by 55%, improving customer experience while maintaining regulatory rigor.
- Established ACH monitoring framework for \$2B+ in annual transactions, with zero compliance violations across 5-year tenure.

## EDUCATION & CERTIFICATIONS

**Master's in Information Systems (Cybersecurity)** – University of Texas, San Antonio (2017-2018)

## CERTIFICATIONS & TRAINING

- **Certified Information Security Manager (CISM)** – ISACA
- **AWS Solutions Architect Associate** – Amazon Web Services
- **Google Cloud Security Engineer Associate** – Google Cloud
- **Certified in AI SecOps (Associate)** – Offensive & Defensive Specializations
- **Blockchain Architect** – Certified

## LEADERSHIP IMPACT

- **Executive Risk Communication:** Board-ready presentations on security posture, risk metrics, and regulatory compliance (FedRAMP, ISO27001, SOC2, PCI-DSS, GDPR).
- **GenAI Security:** Secure design patterns for enterprise and customer-facing AI/ML deployments.
- **Fraud Prevention & AML:** \$2B+ transaction oversight, SAR compliance, identity verification at scale.
- **Budget & Organizational Leadership:** \$8M+ security budget stewardship, 20 person team scaling, cross-functional ELT alignment.
- **Published Research:** 4 peer reviewed publications on cybersecurity and threat modeling.
- **Graduate Instructor:** Designed and taught Big Data and Cloud Computing courses at UTSA.