

Vamsi Krishna Yarra

Security Architect | Application Security & Penetration Testing | DevSecOps

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Professional Summary

Security Architect with 9 years in Application Security (VAPT, SAST/DAST), DevSecOps, Threat Modeling, and Cloud Security (AWS/Azure). Blend of hands-on pentesting and secure design reviews, enabling secure SDLC and CI/CD security gates. Lead cross-functional engagements, mentor juniors, and drive remediation with measurable risk reduction.

Core Competencies

Application Security: VAPT (Web/API/Mobile), SAST, DAST, Threat Modeling (STRIDE, OWASP ASVS)

DevSecOps: Jenkins, SonarQube, SCA/IaC/Container (Snyk, Trivy), policy gates, MTTR reduction

Cloud & Containers: AWS, Azure; Kubernetes hardening (RBAC, CIS), microservices/API security

Governance & Design: Zero Trust architectures, secure coding guidance, remediation governance

Tooling: Burp Suite, Tenable.io/Nessus, Rapid7, Nmap, Postman, IriusRisk

Professional Experience

Capgemini — Security Architect

Sep 16, 2025 – Present | Hyderabad, India

- Lead security architecture reviews for web, API, and cloud-native workloads; define reference architectures (authN/Z, secrets, crypto, logging, telemetry).
- Facilitate threat modeling (STRIDE/ASVS) for new and evolving services; convert threats to design patterns and actionable user stories.
- Embed DevSecOps controls (SAST/DAST/SCA/IaC/container) with policy gates and break-glass standards; tune false positives and secure build baselines.
- Establish API security standards (OWASP API Top 10 defenses, gateway/WAF policies, token lifecycles, mTLS).
- Partner with platform teams on Kubernetes & container hardening (RBAC, network/pod policies, image signing, admission controls).
- Run architecture risk assessments, prioritize remediation, and validate fixes through targeted pentest/retest; report risk posture to stakeholders.
- Coach developers and junior security engineers via secure design clinics, fix-guides, and hands-on labs; champion shift-left practices.

Tech Mahindra — Senior Security Consultant (Security Architect scope)

Oct 16, 2023 – Sep 12, 2025 | Hyderabad, India

- AppSec SME for shared services: drove secure SDLC and conducted security architecture reviews across multiple units and AWS-hosted solutions (IriusRisk).
- Led threat modeling workshops; produced secure design recommendations and developer secure coding guidance aligned to ASVS.
- Implemented CI/CD quality gates with Jenkins and SonarQube; built custom dashboards for security visibility and governance.
- Established container security with Trivy; partnered with DevOps on remediation workflows and hardened deployment patterns.
- Performed VAPT and data-security reviews; built AppSec lab environments and contributed to MSSP processes and documentation.
- Recognized with “Pat on the Back” (2025) for excellence in MSSP AppSec service delivery.

Earlier Experience

Ernst & Young — Security Consultant

May 24, 2021 – Oct 13, 2023

- Led end-to-end VAPT lifecycle for a major banking client; managed a 5-member team and formal reporting.
- Built DevSecOps pipelines (SAST, SCA, IaC) using Jenkins, Snyk, AquaSec with Jira; advised on Zero Trust and ASVS controls.
- Hardened Kubernetes (RBAC, network/pod policies); executed manual pentests for web/thick clients/APIs (Burp, Postman).

Accenture — Security Analyst

May 18, 2020 – Apr 06, 2021

- Ran DAST with Tenable.io; validated issues in Burp Suite Pro; scripted report extraction using Python (Tenable API).
- Contributed to Jenkins/SonarQube DevSecOps workflows; triaged vulnerabilities with stakeholders.

TCS — Security Engineer

Oct 13, 2016 – May 12, 2020

- Led vulnerability management across two programs: exception handling, false-positive validation, and remediation tracking.
- Performed DAST assessments; tested REST APIs; led infra scanning (Nessus, Qualys, Nexpose) and custom risk reporting.

Education

B.Tech, Electronics & Communication Engineering — Lakireddy Bali Reddy College of Engineering (2012–2016) — 76.2%

Certifications

CISSP; (ISC)² CC; CEH (ECC0148652793); Microsoft AZ-500 & AZ-900; AWS Cloud Practitioner; AI Security & Governance; Qualys VM

Tools & Technologies

Burp Suite · Tenable.io · Nessus · Rapid7 · Nmap · Postman · Jenkins · SonarQube · Snyk · Trivy · IriusRisk · Kubernetes · AWS · Azure · Python · Bash