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Experienced Security Professional (5+ yrs) with a strong background in application security and cloud security with a strong passion for security-at-scale. Skilled in driving software security initiatives, proposing and implementing security solutions, and enhancing security automation. A data-driven decision-maker with a track record of influencing stakeholders and ensuring customer and product safety.

PROFESSIONAL EXPERIENCE

Amazon	India
Security Engineer	<i>Aug 2022–Present</i>
<ul style="list-style-type: none">Performed full stack product security review for 10+ applications and identified 30+ vulnerabilities of different severity and worked closely with dev team to provide patches with defence in depth and it led to increase their security by 30%.Leveraged SAST Engine to perform variant analysis using product security identified vulnerabilities to scale variant hunting across multiple code packages which are hard to surface using default rules comes with automated tools. which resulted in 10% increased baseline security for all the services.Successfully proposed, designed, built, and deployed a robust cloud security architecture for a mission-critical application, ensuring secure data storage, transmission, and access.Spearheaded software security initiatives for supply chain and infrastructure security.Acted as a trusted advisor to senior leadership, providing strategic guidance on security-related matters and influencing decision-making processes to prioritize security initiatives.Led cross-functional meetings and workshops to educate teams on best practices, emerging threats, and industry standards, fostering a culture of security awareness and collaboration.	
VMware	India
Product Security Engineer	<i>May 2021–Aug 2022</i>
<ul style="list-style-type: none">Mitigated 10+ Critical vulnerabilities at the design phase through threat modeling across multiple products and helped in reducing the attack surface by 40% with a long-term threat mitigation plan.Through security code review and vulnerability research reported 20+ critical and high severity vulnerabilities affecting multiple on-prem and SaaS products. Worked closely with the developer to provide defense in depth mitigation to future proof the product and limit the attack's blast radius.Taken responsibility to eliminate more than 10+ bug classes across multiple products by enforcing secure default code patterns and hardening infra.Developed custom tools in python and go as part of the security initiative which I led to Identify dependency confusion vulnerability and identify other common vulnerabilities code patterns.	
ServiceNow	India
Product Security Engineer	<i>Feb 2021–May 2021</i>
<ul style="list-style-type: none">Identified 1 critical deserialization vulnerability and 3 high severity vulnerabilities in the ServiceNow Core platform through Security code review. Worked closely with Dev to provide defense in depth security fixes.Developed and delivered security training sessions to educate engineers and product managers on secure coding practices, secure design principles, and common vulnerabilities.	
	India
	<i>Oct 2019–Feb 2021</i>

OpenText

Software Engineer

- Developed multiple features for OT healthcare SaaS and containerized its services to reduce down and increase performance by 30%
- Lead the infrastructure migration for critical patch delivery service which increased availability and security to 50%
- Lead for security code review for all services and conducted office hours on finding security vulnerabilities through code audit as part of developer education.

PROFESSIONAL ACCOMPLISHMENTS

- Certifications: OSCP, HCNA, CKAD, AWS Developer
- Published CVE-2022-1553 for a critical Auth bypass in OSS. Also Contributed secure code to multiple OSS projects
- Experienced vulnerability researcher with various zero day identification techniques and remediation at scale.
- Identified multiple vulnerabilities in Paypal, Snapchat, Librepay, Upwork, Twitter through their bug bounty program.
- Part of **Synack Red Team** - well versed performing and leading Offensive security engagements of varying attack surface.
- Well versed in Securing Authentication Protocols(OAuth, OpenID, SAML) and service oriented architecture, cloud native along with web, mobile platforms.
- Played a key role in developing and implementing an effective product security program, including defining security policies, standards, and guidelines specific to the organization's products and services.

Awards

- Awarded **Accolade** at Amazon for Identifying and mitigating Critical application security vulnerabilities in production.
- Awarded **Elevate our best award** at VMWare for identifying Log4j and patching multiple products through automation in a very short span and secure critical Federal and healthcare Infrastructure.