Mahendra Thanniru

(+91) 9912933367 mahendra.thanniru777@gmail.com linkedin.com/in/mah1ndra github.com/mah1ndra

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 *Aug 2022–Present*

- 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 mitigations which led to increase their security by 30%.
- Leveraged SAST Engine to perform variant analysis for vulnerabilities identified during pentest and scale variant hunting across multiple code packages which are hard to surface using default rules SAST engine rule sets. It resulted in 10% increased baseline security for all the services.
- Improved and automated existing processes to increase efficiency.
- Identified PII data being logged in Amazon pay prod accounts which led to COE for service owners. Written SOP and tooling for identifying, archiving and purging this instance across amazon pay accounts.
- led risk-reduction initiatives with cross-functional teams to educate teams on best practices, emerging threats, and industry standards, fostering a culture of security awareness and collaboration.

India

VMware *May 2021–Aug 2022*

Product Security Engineer

- 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 golang as part of the security initiative which I led to Identify dependency confusion vulnerability and identify other common vulnerabilities code patterns.

India

Feb 2021–May 2021

ServiceNow

Product Security Engineer

- 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

Oct 2019–Feb 2021

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, OIDC, SAML) and service oriented architecture, cloud native along with web, mobile, Infrastructure 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 Sev2 in multiple prod instances.
- 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.