

Mahendra Thanniru

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Experienced Security Professional skilled in vulnerability research and penetration testing with a strong passion for security-at-scale. Good at solving complex technology problems, and build tools to automate manual efforts.

PROFESSIONAL EXPERIENCE

VMware

India

Product Security Engineer

May 2021–Present

- 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 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 attacks blast radius.
- Found 15+ business logic vulnerabilities affecting multiple products through vulnerability research.
- Taken responsibility to eliminate more than 10+ bug classes across multiple products by enforcing secure default code patterns.
- Taken ownership of hardening CI/CD, Kubernetes environments with strict RBAC policies and security context for all product pipelines increasing supply chain security by 30%.
- Developed custom tools in python and go as part of automation to find multiple classes of vulnerabilities

ServiceNow

India

Product Security Engineer

Feb 2021–May 2021

- 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.
- Delivered talk on common vulnerability and code patterns to educate developers as part of the security champion program.

OpenText

India

Software Engineer

Oct 2019–Feb 2021

- 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%

EDUCATION

B V Raju Institute of Technology

Hyderabad, India

Bachelor of Technology(concentration: Computer Science)

May 2020

PROFESSIONAL ACCOMPLISHMENTS

- Certifications: OSCP, HCNA, CKAD
- Published CVE-2022-1553 for a critical Auth bypass in OSS and Contributed secure code to multiple OSS projects
- Submitted bugs to Paypal, Snapchat, Librepay, Upwork, Twitter through their bug bounty program.
- Documented Vulnerability research and critical Pentest finding in my **Blog**: <https://mah1ndra.github.io/> .
- Part of **Synack Red Team** - Perform Red Team engagements on provided IP ranges and submit vulnerabilities.
- Awarded Elevate our best award at VMware for evaluating Log4j and patching multiple products through automation in a very short span and secured critical Federal and healthcare customers.