Srikar Marupaka

Cyber Security Engineer — Red Teamer — Forensics Specialist

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LinkedIn — GitHub

PROFILE

Passionate technical professional skilled in offensive security, computer forensics, and application architecture. With a strong foundation in Full-Stack development (treating MDN as the source of truth), I have transitioned into advanced cybersecurity roles. Proven experience in securing Cloud/SaaS products, conducting Red Team engagements, and ensuring compliance (SEBI/ISO).

TECHNICAL SKILLS

- **Offensive Security:** Nmap, Burp Suite, Metasploit, Nessus, OpenVAS, OWASP ZAP, Shodan, Maltego.
- **Forensics & Defense:** Autopsy, Wazuh/Trellix, Wireshark, Splunk, Blue Teaming strategies.
- **DevSecOps & Cloud:** AWS (Security/Infrastructure), Terraform, Kubernetes, Docker, CI/CD pipelines.
- **Programming:** Python (Automation/Exploits), Bash, Java, JavaScript (Node.js, React).
- **Databases:** MySQL, MongoDB.

PROFESSIONAL EXPERIENCE

Senior Cyber Security Engineer   Sep 2025 – Present
Cyfy Solutions   *Hyderabad*

- Conducted penetration testing on web apps and networks using tools like Burp Suite, Nmap, and Metasploit, identifying critical vulnerabilities.
- Performed vulnerability assessments and provided actionable remediation steps using Nessus, OpenVAS, and OWASP ZAP.
- Simulated real-world attack scenarios through Red Team exercises to evaluate and enhance incident response capabilities.
- Automated reconnaissance and exploit validation using Python and Bash, improving efficiency and repeatability.
- Leveraged OSINT tools like Shodan and Maltego to gather threat intelligence and detect impersonation risks.
- Collaborated with SOC/Blue teams to validate detections and strengthen threat hunting strategies.
- Assisted financial organizations with audit readiness for compliances like SEBI CSCRF, ISO 27001 & GDPR.

Ethical Hacker (Part-Time)   Jun 2025 – Aug 2025
Kfintech   *Hyderabad*

- Conducted a focused Red Team engagement to test internal infrastructure resilience.
- **Achievement:** Successfully identified and demonstrated critical exploit paths in the Email Server and Document Object Storage, enabling the organization to secure high-value assets.

Project Assistant   Sep 2024 – Mar 2025
NRSC [ISRO]   *Hyderabad*

- Developed a Comprehensive Enterprise-Level Forensic Platform for Linux, Windows, Network, and Memory forensics.
- Automated Forensic Data Collection using Bash (Linux) and PowerShell (Windows) to gather artifacts and transmit them to a centralized backend.
- Integrated Malware Analysis Capabilities leveraging Malshare APIs to detect potential threats.

Intern Cyber Security Engineer   Aug 2024 – Mar 2025
fnCyber   *Remote*

- Implemented DevSecOps practices integrating secure CI/CD pipelines and automated SAST/SCA assessments.
- Designed a SaaS platform integrating penetration testing tools into APIs for streamlined security workflows.

- Managed microservices using Kubernetes and AWS, ensuring compliance with security best practices.

Associate Software Engineer   Dec 2021 – Jun 2023
Accenture   *Hyderabad*

- Developed secure APIs in Java and Node.js, implementing OAuth/JWT authentication and RBAC authorization.
- Achieved 85% test coverage through rigorous unit and security testing.

EDUCATION

M.Tech in Cyber Forensics and Information Security   Sep 2023 – Sep 2025
Jawaharlal Nehru Technological University (JNTU)   *CGPA: 9.2/10*

- Focus: Blockchain Forensics, Cryptanalysis, Zero Knowledge Proofs.

B.Tech in Information Technology   Aug 2017 – Jul 2021
Kakatiya University   *72.9%*

CERTIFICATIONS

- **Certified Ethical Hacker (CEH)** - EC-Council
- **Certified in Cyber Security (CC)** - ISC2
- **AWS Cloud Practitioner Essentials** - AWS