Kaustubh Rai

Security Engineer 1

📞 +91 8149791460 | @ raikaustubh12@gmail.com | 🔗 https://raikaustubh.com/

Summary

Cybersecurity specialist with a strong background in App Sec, Vuln Assessment, and Pentesting. Committed to continuous learning and growth, with active participation in industry events and CTF challenges

Experience

ContentStack   Feb 2024 - Present
Security Engineer 1

- Promoted to Security Engineer 1, for exemplary security reviews during critical periods, expertise in security practices and leadership in application security initiatives.
- Revamped ContentStack's security strategy across Web and API. Strengthening the company's security posture and asserting its status as a secure, composable DXP provider.

Associate Application Security Engineer   July 2022 - Feb 2024

- Conducted security testing encompassing **VAPT, SAST, DAST, SCA, and Manual Code Review**, enhancing the security posture of over **500+ RESTful and GraphQL APIs** across ContentStack's suite of services
- **Developed** and implemented an **automated API security testing** framework that reduced the testing cycle time by 40% which improved detection efficiency by 50%.
- **Lead security auditor for 30+ applications** on ContentStack's platforms. Vetting and ensuring the secure rollout of features across Marketplace, Launch, and Automation Hub ecosystems.

Technical Consultant   Feb 2022 - July 2022

- Performance optimisations for ContentStack's CDN, achieving a 20% improvement in content delivery speed to global customers.
- **Code reviews across 50,000+ LoC**, identifying and mitigating security vulnerabilities, which resulted in a 30% enhancement in platform security.
- **Designed** and executed **performance load tests**, simulating up to 10x normal traffic, which helped identify and resolve performance bottlenecks.

Education

Univerisity of Mumbai   2022
Computer Engineering   BTech

Projects

Rahasya - Docker

Secret Scanning Automation Tool

Security Scripts - Burpsuite

Automated detection of security lapses and vulnerabilities during VAPT

Image Authenticity Checker — TensorFlow, Keras

ML image verifer to detect alterations

Skills

Cloud & Monitoring: AWS WAF, Inspector, Data Dog, Splunk, SentinelOne
●● ○○○

Security & Pentesting: Web & API Hacking, OWASP Top 10, Automation
●●●● ○

DevOps & Tools: Linux, Docker, Kubernetes, VMware, Git, Postman, BurpSuite
●●●● ○

Development & Scripting: Python, Bash, PowerShell MongoDB, JavaScript
●●●● ○

Professional Development

PortSwigger Academy

Actively solving labs with detailed blog documentation of each lab.

Cybrary

Network Fundamentals, Comptia A+ 901AA, Comptia Network+

TCM Security

Practical Ethical Hacking, Practical API Hacking,

APISEC University

API Pentration Testing, OWASP API Security Top 10 and Beyond, API Security for PCI Compliance

Awards

1st Place in CypherHack Security Hackathon
FCRIT

2nd Runner up in Bug Bounty out of 50 teams
ContentStack

5th position out of 500 teams
RESETHACKER

12 hour RESTCON CTF

Publications

International Journal of Advanced Research in Technology and Engineering

CVEdB