

**Anil Arelli**

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## SUMMARY

- Passionate and enthusiastic Application security engineer with over three years of experience in various domains such as Web application Security testing, Vulnerability Assessments, manual and with the help of automated scanning tools; penetration testing & Preparing reports .
- Currently working at Application Security Engineer in eClinicalWorks Ahmedabad.
- Proficient in technical and administrative know how with respect to variety of Web security threats.
- Well-versed with different security analysis tools like Burp Suite, Fiddler, Acunetix, subdomain enumeration tools, ffuf, Metasploit, Wireshark, Nessus, NMAP and various other bash and python scripts.
- Working knowledge on ELK Stack, Mod-Security & Amazon web service
- Knowledge on web application firewall
- Conversant with drafting detailed Website/App specifications, Testing the Website/App and researching current trends.
- Strong knowledge of information security frameworks and standards
- Strong technical ability in current application and infrastructure testing methodologies
- Strong attention to detail in conducting analysis combined with an ability to accurately record full documentation in support of their work
- Strong technical ability in security related architecture design and assessment (manual approach to penetration testing)
- Ability to communicate detailed technical information to a non-technical audience.
- Demonstrated ability to work on multiple projects simultaneously and to work in a highly dynamic, rapidly changing environment
- Self-Motivated individual with a passion for continuous learning, innovative thinking, and constant striving to embrace efficiency, improving processes and business performance with a key focus on customer satisfaction.
- Self-driven individual with an ability to work independently or in a team environment

## Skill Sets

- Penetration Testing
- SDLC
- Web Application Firewall
- Vulnerability Scanning
- Database configuration
- Real time traffic analysis, network IDS and packet dissection using Wireshark
- Designing security controls
- Experience with tools: Air crack – ng, Hydra, Shellshock.
- Security Analysis
- Implementing security Programs
- Excellent Communication Skills
- Presentation Skills
- Problem Solving & Logical Thinking
- Vulnerability Testing
- Customer Satisfaction
- Team Management
- Strong Interpersonal Skills
- Analytical Skills

## Work Experience

eClinicalWorks Pvt Ltd. Ahmedabad, India

### Application Security Engineer

02/2020 - Current

- Perform application penetration tests across public and private networks.
- Collaborate with the Development, RM and Infrastructure teams to analyze, diagnose, debug and rectify security flaws.
- Security in SDLC (Application Security).
- Conduct secure source-code review using automated and manual approaches.
- Conduct vulnerability assessment, penetration testing and configuration review for web applications.
- Provide remediation for identified vulnerabilities.
- FS and DS security review.
- Participate with clients in discussion meetings
- Actively moderating the team meetings and ensuring that the updates are passed onto all the team members
- Have been sharing meeting minutes with all the team members to ensure that the team is following the updates and is aware of the ongoing changes and amendments in the processes
- Have been mentoring two of my team members on web application penetration testing and vulnerability scanning.
- Perform assessments of security awareness training using social engineering.
- Work on improvements for provided security services, including the continuous enhancement of existing methodology material, and supporting assets

## **Indusface, Vadodara, India.**

### **Cyber Security Engineer**

**03/2018 - 01/2020**

- Conducted vulnerability assessments and penetration testing by sharing proofs of concepts for identified vulnerabilities.
- Identified issues, analyzed information, and provided solutions to problems
- Maintained confidentiality, integrity via vulnerability scanning and testing for OWASP Top Ten
- Prepared documentation for the identified vulnerabilities
- Handled the client calls to explain the severity of the vulnerability and mitigation steps
- Used critical thinking to break down problems, evaluate solutions and make decisions.
- Performed Infrastructure monitoring of automated scans
- Reported DDoS and other attacks violation analysis
- Worked on web-application-firewall based on Mod-Sec
- Created & deployed the rules with PCRE based on Mod-Security to strengthen the website security.
- Mitigated WAF false-positive.
- Performed duties in accordance with all applicable standards, policies, and regulatory guidelines to promote safe working environment.
- Perform web application, mobile application and network penetration tests
- Develop processes and implement tools and techniques to perform ongoing security assessments of the environment
- Analyze security test results, draw conclusions from results and develop targeted testing as deemed necessary
- Providing technical consultation on Security Tools and Technical Controls
- + Development of 'rules of engagement' with partners
- Develop security standards, policies, automation scripts
- Perform security reviews of application designs and source code review

## **Swift Safe, Hyderabad, India.**

### **Penetration tester Intern**

**06/2017 – 12/2017**

- Performed web application assessment and audits
- Validate the vulnerabilities found by the different automated tools
- Prepared documentation of the identified vulnerabilities and submitted to Operations
- Participated in continuous improvement by generating suggestions, engaging in problem-solving activities to support teamwork.
- Used coordination and planning skills to achieve results according to schedule.

## Projects

### 1. Security Assessment of Internet and Core Banking Application

**Client:** Large private banks of India

- Vulnerability assessment & penetration testing of different private banks of India
- Black box & white box test cases to search for possible security flaw
- Business logic vulnerabilities like captcha bypass, CSRF, privilege escalation, SQL injection etc.
- Provided comprehensive report on findings & action items to fix identified vulnerabilities

### 2. Security Assessment of E-Commerce Applications

**Client:** E-Commerce organizations & online shopping portals

- Vulnerability assessment & penetration testing of different E-commerce applications & online shopping portals
- Reported vulnerabilities like payment manipulation, Cross-site Scripting, Session Hijacking, Clickjacking etc.
- Provided comprehensive reports on findings
- Handled client calls to educate them on the impact of the vulnerabilities & possible mitigation steps

### 3. Security Assessment of Intranet Web Application

**Client:** Intranet/UAT applications

- Vulnerability assessment & penetration testing of different intranet applications.
- Reported vulnerabilities like payment manipulations, Session Hijacking etc.
- Reported network/SSL related issues like SSL misconfiguration, weak-cipher suites used, unknown service running on various ports etc using tools like NMAP & Nessus.
- Reported security misconfigurations like open-ports, application is revealing sensitive information.
- Reported issues of insufficient logging mechanism.
- Provided comprehensive report on findings & action items to fix identified vulnerabilities

## Education

- Kakatiya University
- B.Sc in 2017

## Certifications

- CEH (EC-COUNCIL CERTIFIED ETHICAL HACKER) Certification
- EWAPT – In progress