**Prathamesh Ghumade**

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**Summary**

Innovative and accomplished individual, DevSecOps practitioner with 5 years of experience in IT industry. Successfully implemented security championship program and guidelines for developers and hosted CTF’s. Highly motivated with keen interest in cybersecurity domains.

**Professional Experience**

2020 - Present **DevSecOps Info Security Tech Sr ANALYST** TX, USA

***Citibank***

* Analyze and integrate security tools with build environments to assure iterative scanning during the Secure-SDLC.
* Provide source code review services through a comprehensive testing process, as well as identifying weaknesses and vulnerabilities within system and proposing or implementing countermeasures.
* Execute binary static testing tools to identify third party component vulnerabilities.
* Validate automated testing results and prioritize based on overall risk; verify findings as needed with application development team.
* Execute manual source code review for security vulnerabilities and reporting directly to management for any major flaws identified.
* Write formal security assessment report for each application, leveraging company's standard reporting format.
* Leading individual projects and initiatives involve other team members or organizations.
* Undertook conference calls with engineering team to assure proper scan coverage and effective results.
* Research and explore new testing tools and methodologies.
* Participate in research and knowledge sharing discussions with broader Vulnerability Assessments organization.

2014 – 2018 **Build and Release Engineer** Pune, Maharashtra ***FIS Global***

* Shared in developing effective configuration management strategies and solutions for existing and new products.
* Coordinated, facilitated, managed, and controlled scheduled and approved change windows for product release and infrastructure maintenance windows.
* Managed change management reviews and confirmation of changes submitted by associates outside of assigned organization to ensure minimal disruption occurs.
* Assessed risks and impacts to changes throughout software development lifecycle ensuring minimal disruption to organization and other FIS and client organizations.
* Worked with development and release management teams to ensure business requirements are defined and solutions accurately designed to meet business needs.
* Performed software integration including building/compiling source code and documenting software build/compile process.
* Assisted with setting up projects in version control tool, creating and troubleshooting distributed builds/compiles, as well as training and providing consultation to development teams on how to leverage supporting tools.
* Application support to GMI project (L1 and L2 support)

**Internships**

2020 - 2020 **Illinois Institute of technology** Chicago, IL

***Teaching Assistant***

* Instructed ITM 441/541 - Network Administration and Operations and ITMS 428/528 - Database Security courses
* Resolved and answered student's technical issues and queries.
* Graded students’ assignments
* Helped students to understand core concepts, influencing 30% increase in final score.

2019 - 2020 **SHURE INCORPORATED** Niles, IL

***Security Analyst Intern***

* Focused on project related to DevSecOps/ Security in SDLC/Security in DevOps pipeline and product security of the Shure products.
* Conducted security assessments and penetration testing of hardware, software, and network products including third party products.
* Recommended new tools for assessment, penetration testing, and secure product validation on methodologies promoted by NIST, ISO etc.; created useful, measurable, and repeatable method to quantify risk.
* Managed security test lab including day-to-day activities, regular maintenance, documentation, component installation and configuration, as well as facility evolution.
* Create methodologies and perform manual and automated penetration tests on products and integrated systems.
* Worked on firmware code signing mechanism and present POC.
* Responsible for operating and maintaining security test facility; scheduled security training for developer on regular basis.
* Researched emerging security technologies, trends, tactics, and exploits as well as try to implement new methodologies and select best suitable security frameworks by doing POC for all the Shure Devices.
* Configured and ran various security software analysis tools such as SAST and DAST scans as per project.
* Researched DevSecOps frameworks and implemented the DevSecOps architecture.
* Threat modeling of the Shure Products and designed Risk assessment plan
* Documented all threats, mitigation, and security controls for the Shure products.

**Skills**

* Tools & Technologies: Jenkins, Chef, Puppet, Ansible, Docker, AWS, WebLogic, ANT, Oracle Golden Gate, Jira, svn, git, Perforce etc.
* Security Tools: Nmap, Nessus, Burp Suite, Metasploit, Qualys, Nikto, WireShark, Kismet, Aircrack-ng etc.
* Source code Security Scanner: SAST and DAST tools, OWASP Orizon, OWASP SonarQube, Synk, Codeclimate, FossID, OWASP glue project.
* Web Application Pen Testing using Burp Suite.

**Certifications**

* Certified CompTIA Security+ Engineer. (Lic-D6S3851MVPE4QY3E).
* Certified Red Hat system engineer Lic. 140-173-923.
* Certified CompTIA Cybersecurity Analyst (CySA+) (Lic-SB45P8Q3XC4117KD).

**Education**

2018 - 2020 **Illinois Institute of Technology** Chicago, IL

*Master’s in Computer Forensics and Security*

GPA: 3.9/4.0

2008 - 2014 **University of Pune** Pune, India

*Bachelor of Engineering* *in Computer Science*

**Projects**

2018 - 2020 **Projects and Research papers** Chicago, IL

***Student***

* IS Audit/Assurance Project: IS audit of the IIT university using the NIST cybersecurity framework (Identify, Protect, Detect, Respond, Recover)
* Enterprise Cybersecurity Policy: Enterprise Cybersecurity Policy primarily focused on compliance with NIST Special Publication 800-171 and harmonized with requirements of the Family Educational Rights and Privacy Act (FERPA) for Illinois Institute of Technology
* Enterprise Cybersecurity Policy: Drafting an Enterprise Cybersecurity Policy which addresses all expectations of the FFIEC Information Technology Examination Handbook: Information Security dated September 2016 and relevant requirements of the New York State Department of Financial Services 23 NYCRR 500 Cybersecurity Requirements for Financial Services Companies
* Penetration Testing of a website: Performing Nmap, vulnerability, web, etc. scan against targeted website with a detailed overview of each scan, analysis of discovered vulnerabilities, penetration steps for exploitation and generating an executive report of the performed penetration test.
* Forensic Analysis: Forensic analysis of evidence data from fictional crime scene using FTK manager, Autopsy, Win-Hex, TSK and EnCase. Generating report of forensic analysis with all relevant data
* Database security project: Implementation of all possible NIST Special Publication 800-53 control to given database, encrypting data in transit and at rest, and Creation of Project Management Plan (PMP), project schedule, Earned Value Management System (EVMS) reporting

**Research Papers - 2018-2020.**

* Bluetooth Low energy penetration testing framework
* Big Data Analytics and Security Cyber Security Management in IoT
* Cyber Security Management frameworks in the Healthcare Industry
* Security in Software Development Life Cycle (DevSecOps)

2013 - 2014 **University Of pune** Pune, Maharashtra

***Undergraduate Project***

* Project and International Publication: Wireless Interactive System for Patient Healthcare Monitoring using Android Mobile. Publication date Feb 28, 2014 publication description IJARCCE, Volume 3, Issue 2.