

Prathamesh Ghumade

Irving, TX 75039 • 312-934-3609 • pghumade@hawk.iit.edu • www.linkedin.com/in/gp6280/

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
<i>Citibank</i> <ul style="list-style-type: none">• 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. | TX, USA |
| 2014 – 2018 | BUILD AND RELEASE ENGINEER
<i>FIS Global</i> <ul style="list-style-type: none">• 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) | Pune, Maharashtra |

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 <i>Master's in Computer Forensics and Security</i> GPA: 3.9/4.0	Chicago, IL
2008 - 2014	UNIVERSITY OF PUNE <i>Bachelor of Engineering in Computer Science</i>	Pune, India
PROJECTS		
2018 - 2020	PROJECTS AND RESEARCH PAPERS <i>Student</i> <ul style="list-style-type: none"> • 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. <ul style="list-style-type: none"> • 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) 	Chicago, IL
2013 - 2014	UNIVERSITY OF PUNE <i>Undergraduate Project</i> <ul style="list-style-type: none"> • Project and International Publication: Wireless Interactive System for Patient Healthcare Monitoring using Android Mobile. Publication date Feb 28, 2014 publication description IJARCCCE, Volume 3, Issue 2. 	Pune, Maharashtra