Preetham Nagesh

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SKILLS

- Python Django; Python Flask; Node; C#; .NET; JavaScript; TypeScript; MSSQL; MySQL; Postgres; Angular; NoSQL; Java
- AWS Solutions Architect; Vulnerability Management; Static Application Security Testing; Elasticsearch; Ansible; BigFix
- Tools: Checkmarx; TruffleHog; Bandit; SonarQube; Git-Secrets; Dependency Track; Semgrep; Burp Suite; OWASP ZAP

EDUCATION

JOHNS HOPKINS UNIVERSITY   Baltimore, MD
Master of Science in Security Informatics   Expected Dec 2023
- Coursework: Security / Privacy in Computing, Software Vulnerability Analysis, Network Security, Secure Development.

BVB COLLEGE OF ENGINEERING AND TECHNOLOGY   Hubli, India
Bachelor of Engineering in Computer Science   2014 - 2018
- Coursework: Data Structures, Algorithms, Computer Organization and Architecture, Database Management Systems.

EXPERIENCE

VISA INC   Denver, CO
Masters Intern Cybersecurity   May 2023 - Present
- Enhance exception handling to accurately track the completion status of 15 pre-existing actions.
- Enhance incident management by migrating actions from incident to task level for better categorization.
- Devise a proof of concept for automating Incident Response tasks in VISA's AWS cloud environment using AWS WAF, AWS Security Hub and AWS IAM.

VISA INC   Bangalore, India
Cybersecurity Engineer   October 2021 - August 2022
- Led end-to-end deployment of 9 security tool updates to 30,000+ endpoint systems using BigFix fixlets and baselines.
- Automated zero downtime patching of 100+ Elasticsearch, Logstash, Filebeat and Metricbeat nodes using Ansible playbooks eliminating 80% of manual work.
- Built Python scripts to automate Symantec DLP incident report generation eliminating 2 hours of manual work per month.

SOCIETE GENERALE   Bangalore, India
Senior Cybersecurity Analyst   April 2021 - October 2021
- Designed SAST automation platform by integrating tools like Checkmarx, SonarQube, Semgrep, Bandit, Dependency Track, TruffleHog, etc. to enhance source code vulnerability detection by 60%.
- Pioneered a Security Champion program to train 80+ developers resulting in reduction of security findings by 35%.
- Devised a centralized scoring system leveraging Django to realign risk rating of 2000+ vulnerabilities based on CVSS.

SOCIETE GENERALE   Bangalore, India
Software Engineer Fullstack   May 2019 - April 2021
- Built template-based report generation tool using Angular and NodeJS with standardized content to cut down security assessment timelines by 20%.
- Formulated standardized code snippets to scale vulnerability remediation and helped fix 140+ vulnerabilities across 25 teams performing 50% faster remediation.
- Developed web application showcasing service offerings of cybersecurity team to increase visibility and achieved 20k+ hits.

INSZOOM INC   Bangalore, India
Product Engineer Trainee   June 2018 - May 2019
- Revamped frontend and backend of reporting module to enhance user experience and increase page load speed by 17%.
- Refined stored procedures and views in MSSQL database to bring down query execution time to less than 30 seconds.
- Developed interactive reports with drill down approach using Dundas BI tool to reduce database load by 30%.

INDEPENDENT PROJECTS

Vigilant Fiesta   September 2022
- Coordinated with team of 3 developers to build secret detection solution and shortlisted among top 10 teams in HopHacks.
- Identified and reported 3 secrets embedded in GitHub repositories maintained by organizers of hackathon.

ACHIEVEMENTS AND RECOGNITIONS
- Awarded "Star of Quarter - Q3" for driving multiple programs in parallel at Société Générale (Oct 2020).
- Organized workshops to educate undergrad students on internships and job search, BVB College (May 2018).
- Ranked 1st in the Minor Project exhibition under Industry Track, BVB College (Apr 2017).
- Ranked 1st in the Mini Project exhibition for IoT Based Home Automation system, BVB College (Nov 2016).