Thinh Phan

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Summary

- Resourceful and dedicated senior software engineer, possessing up-to-date technical skills and extensive technical trainings.
- Experienced in web-based design, capable of leading teams of engineers to produce on-time and quality solutions to customer-oriented requirements and specifications.
- Demonstrated abilities to complete tasks on-schedule and meet difficult deadlines by being flexible to take on added responsibilities when required.
- Having strong experiences using various open-source frameworks, libraries and tools.

Skills and Abilities

- Programming Languages: JavaScript (ES5 and above), Python, Bash Script, Go, Java.
- Client-side Web Development: React, AngularJS, XML, JSON, HTML, CSS, RxJS.
- Server-side Development: Apache, Flask, ExpressJS, Next.js, Node.js, RxJS.
- Continuous Integration: GitLab CI/CD, NPM/PyPi packaging and distribution.
- Database Development: DynamoDB, MongoDB, Neo4J, ELK stack, MySQL.
- Business and SCM Software: Git, GitHub, GitLab, Splunk, JIRA, Confluence, Oracle VirtualBox, VMware vSphere, Vagrant, Docker.
- Operating Systems: Linux (Ubuntu, CentOS, Fedora), OSX, Windows 7/10.
- Cloud Development: Various AWS services, Terraform.
- Development Model: Agile, Traditional Waterfall.
- Certifications: AWS Certified Solutions Architect Associate.

Professional Experience

Sony Corporation of America – Herndon, VA

Senior Software Engineer – 2014 to Present

Sony Threat Intelligence Platform (TIP)

- Project lead and scrum master for the development of TIP at Sony.
- Work closely with Threat Intelligence team to gather requirements, translated requirements into Agile stories, and maintained backlog of outstanding defects and future development items.
- Design, develop and maintain database of large network data sets such as IDS signature, indicator of

compromises using NoSQL database.

- Design, develop and maintain frontend service using AngularJS 1.x version

- Design, develop and maintain RESTful APIs service for TIP using NodeJS. Integrate various third-party APIs to collect threat data.

- Manage continuous integration processes and deployment strategies.

- Provide technical supports for stakeholders' issues and gather feedbacks for future application development items.

- Author API wrapper libraries from various threat sources.

- Author various Splunk modular inputs for threat data.

Sony C2 Framework

- Project lead and scrum master for the development of frontend service for C2 framework at Sony.

- Work closely with RED team to gather requirements, and design server APIs.

- Design, develop and maintain frontend service for C2 framework using React, Next.js, and GraphQL.

- Manage continuous integration processes and deployment strategies using docker images.

- Provide technical supports for stakeholders' issues and gather feedbacks for future application development items.

Sony Advanced Threat Hunting Framework (ATHF)

- Project lead and scrum master for the development of ATHF at Sony.

- Work closely with SOC team to gather requirements for various components in ATHF.

- Design, develop and maintain crawler services for ATHF using Python.

- Design, develop and maintain various Splunk components for ATHF using Python and JavaScript.

- Author API wrapper library for FireEye HX that is being used in various projects across Sony.

- Author FireEye HX triage package parser that is being used in various projects across Sony.

- Upgrade the open source ShimCacheParser to support Python 3.6 and above.

- Manage continuous integration processes and deployment strategies using docker images.

- Provide technical supports for stakeholders' issues and gather feedbacks for future application development items.

- Migrated ATHF from on-premises datacenter to AWS.

Miscellaneous Projects

- Build a few integrated modules to sync data between many RSA Archer servers.

- Build various Splunk modular inputs to ingest vulnerability, qualys data.

- Build various Splunk application to display different types of dashboards.

- Design, develop and maintain JavaScript and Python project templates for the team.

- Design various GitLab CI/CD templates for the team.

Education

George Mason University – Fairfax, VA

B.S in Information Technology (concentration: Programing & Database) – 2014