Tejas Pattabhi

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tejaspattabhi.com

Sr. Engineer at Qualcomm

WORK EXPERIENCE

Qualcomm, San Diego, CA – Sr. Cloud Software Engineer

September 27, 2021 – Current

Dataflow and Pipeline development to analyze live/stored datasets obtained from autonomous cars: As a key developer to this project, contributing to revamp the existing cloud pipelines in Kubernetes to run in parallel by spinning off GCP dataflow jobs in concurrence.

OpenText, previously Webroot, San Diego, CA – Sr. Software Engineer

Previously, System Software Engineer and Software Engineer

September 14th, 2015 – September 24, 2021

URL Crawling, Classification & Threat Detection: As the head of this project, developed & maintained clusters to perform safe web-crawling. Mentored engineers in the team on classification, threat detection and safe-web crawling. Hit 17M+ URL crawls a day. Key part of project DeepCrawl; engineered an extension to dig URLs related to a threat URL – URLs hosted on same IP of the threat, common paths, previously known, etc. *Patented to OpenText*.

IP Threat Analysis: As the subject matter expert, lead on this project, developed a prison system for IPs to publish a threat list. A key developer in categorizing the IPs based on its recorded bad activity of threat categories: *Phishing, Botnet, Malware, Proxies, Spam*. I am also the DevOps engineer responsible for hosting this on AWS.

Cloud Security Intelligence and Reputation: As a key engineer in the team, responsible for designing & developing a reputation scoring system for cloud applications and its hosting organizations based on CSA properties, security features, hosting URL reputations. Enabled the application to gather data vectors dynamically. I am also the DevOps engineer responsible for hosting this on AWS.

Honeypots: As a part of a team, architected, developed honeypots on cloud platforms which traps *scanners, malware, injections, DoS attackers*, etc. and feed to IP Threat Analysis. I am also the DevOps engineer responsible for hosting this on AWS, GCP and Azure.

Award Solutions, Richardson, TX – Student Volunteer, Project - Openstack

May 27th, 2015 – August 5th, 2015

Alarm Counter Web: Built an app and UI that can respond to web-hooks executed on every state transition of a VM in the Alarm Counter. Information gathered – Ceilometer.

TradeStation Tech., Richardson, TX - Software Developer – Intern

May 16th, 2014 – December 31st, 2014

IISLogAnalysis: Using AWS EMR, built an application to analyze everyday IIS logs to quantify volumes requests and response. Using D3, developed & hosted a graphical view of this data.

Societe Generale, Bangalore, India - Young Grad, Windows Server Administrator

August 8th, 2012 – July 26th, 2013

Health Check of VMs Automation: Built scripts to extract status of production servers on all ESXi present in two remote data centers & presented it as a web app. As DevOps, investigated cases of unreachable servers, network failures and backup issues.

EDUCATION

M. S. in Computer Science

The University of Texas at Dallas

Graduated: August 2015

B. E. in Information Science

PES School of Engineering, India

Graduated: August 2012

SKILLS

Python	♦ ♦ ♦ ♦ ♦
C#	♦ ♦ ♦ ♦ ♦
C	♦ ♦ ♦ ♦
GCP	♦ ♦ ♦ ♦ ♦
AWS	♦ ♦ ♦ ♦ ♦
Azure	♦ ♦ ♦ ♦
OO	♦ ♦ ♦ ♦ ♦
MySQL	♦ ♦ ♦ ♦ ♦
MS-SQL	♦ ♦ ♦ ♦ ♦
REST	♦ ♦ ♦ ♦ ♦
Git	♦ ♦ ♦ ♦

REPO

https://bitbucket.org/tejaspattabhi