Tejas Tovinkere Pattabhi

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Currently working as Software Engineer at Webroot.

WORK EXPERIENCE

Webroot, San Diego, CA - ***Software Engineer***

September 14th, 2015 – Current

- **IP Reputation System**: In a team, developed, deployed & monitoring the defined rules of IP Analysis, while actively keeping track of bad behaving good IPs, maintain a live database of Phishing, Botnet, Malware, Proxies, Spam, etc. IPs, maintain a judicial system for bad IPs, give each IP a reputation and help get insights for IPs which are considered bad. Have extensively contributed towards identifying the sources, analyzing and insights for these IPs.
- **Honeypots**: In a team, architected, developed and deployed various honeypots on multiple cloud platforms which traps scanners, malware, injections, DoS attackers, etc. and feed it to the IP Reputation system of Webroot.
- **BrightCloud Monitor**: In a team, architected & developed a monitor to check the uptime, latency and accuracy of WebAPI products across regions. Monitoring architected at 3 levels: customer, load balancer and individual server. Server health was monitored too.
- **Anonymous Proxy Identifier**: As an innovation, developed a system which can identify and trap open web IPv4 proxies which pose a threat to the internet through tor network.
- **Penguin Management Systems**: Develop and maintain clusters which sets the framework for a multi-level computing, connecting multi-step process communicating through queues.

Award Solutions, Richardson, TX - ***Student Volunteer – OpenStack***

May 27th, 2015 – August 5th, 2015

- **Alarm Counter Web**: Built an app that can run on a Linux Server VM & respond to web-hooks executed on every state transition of a VM in the Alarm Counter. Designed a web page to consolidate all tenant monitors graphically. Information gathered – Ceilometer.

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

May 16th, 2014 – December 31st, 2014

- **IISLogAnalysis**: Implemented MapR to analyze IIS logs from PROD servers on a daily basis using the AWS Elastic MapR (python boto package) & generate JSON files with information on number of requests and response codes for different intervals of time. D3 Web Application: Using the D3 framework, developed & hosted which gives a graphical view of data from IISLogAnalysis.

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

August 8th, 2012 – July 26th, 2013

- **Health Check of VMs Automation**: Developed scripts to extract the status of PROD servers on all the ESXi present two data centers & presented it as a web application.
- **Server Construction, Maintenance & Decommission (Virtual)**: Investigated cases of unreachable servers, network failures and backup issues. Participated in Disaster Recovery drills. Individually installed and configured ESXi and clusters to host VMs.

ACADEMIC PROJECTS

- **Mutual Exclusion using Dynamic Voting Protocol in a Distributed Computing environment:** Implemented a File System management (all functionalities) in a DS environment using the principles of Static and Dynamic Voting between nodes.
- **Distance Vector Multicast Routing:** Developed an application which would simulate the working of DV Multicast Routing using UNIX processes. Simulation included BGP & OSPF implementation.
- **Distributed Node Discovery:** Self designed algorithm for discovering all the nodes in a distributed computing network environment. Implemented this algorithm using the SCTP – C++.
- **Person Tracker:** Using MapR, Similarity Matrices in Scala, developed a RESTful service API to track a person's movements based on Call Records. Deigned a UI where the person's movements can be viewed on Google Maps.
- **A graph based Web tool to identify the important business locations in a town:** Developed a web based tool which works on spatial and non-spatial data mining algorithms, simulates Bezier Curves and Delaunay triangles to identify best location [1].

EDUCATION

M. S. in Computer Science
The University of Texas at Dallas
Graduated: August 2015
GPA: 3.423/4.00

B. E. in Information Science
P. E. S School of Engineering, India
Graduated: August 2012
Score: 81.6/100

SKILLS

Languages

C#	♦♦♦♦♦♦♦♦♦♦
Python	♦♦♦♦♦♦♦♦♦♦
C	♦♦♦♦♦♦♦♦♦
C++	♦♦♦♦♦♦♦♦♦

Cloud Computing Platforms

AWS (All)	♦♦♦♦♦♦♦♦♦♦
Azure (VMs)	♦♦♦♦

Databases

MySQL/Postgres	♦♦♦♦♦♦♦♦♦
MSSQL	♦♦♦♦♦♦♦♦♦
DynamoDB	♦♦♦♦♦♦♦♦
Cassandra	♦♦♦♦♦♦

Source Control

Git	♦♦♦♦♦♦♦♦
SVN	♦♦♦♦♦♦♦♦

Operating Systems

UNIX	♦♦♦♦♦♦♦♦♦
Windows	♦♦♦♦♦♦♦♦♦♦

Web

jQuery/JS	♦♦♦♦♦
AJAX	♦♦♦♦
HTML5	♦♦♦♦
CSS3	♦♦♦

Other Skills

IIS	♦♦♦♦♦♦♦♦
Apache	♦♦♦♦♦♦♦♦
Openstack	♦♦♦

MY WORK

https://bitbucket.org/tejaspattabhi/

OTHER STRENGTHS

- Network Programming, Protocols
- Distributed Computing
- Hypervisors: VirtualBox, VMWare Player, Hyper-V

PUBLICATION

[1]Tejas Pattabhi, Arti Arya, Pradyumna N, Swati Singh, Sukanya D,"Implementing Delaunay Triangles and Bezier Curves to Identify Suitable Business Locations in the Presence of Obstacles", IJITCS, vol.5, no.3, pp.29-39, 2013.DOI: 10.5815/ijitcs.2013.03.04

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