

Currently working as a Systems Software Engineer, DevOps at Webroot Inc, San Diego - CA.

PROFESSIONAL EXPERIENCE**Award Solutions, Richardson TX****May 27th, 2015 – August 5th, 2015****Student Volunteer Intern - OpenStack**

- **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 Technologies, Richardson TX**May 16th, 2014 – December 31st, 2014****Software Developer - Intern**

- **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 Data Driven Documents (D3) framework, developed web pages & hosted them on an EC2 instance which would consume JSON files and generate a graphical view of data like heat maps, scatter charts to analyze network traffic.
- **TradeStation IISLogAnalysis Plugin:** Constructed a plugin which makes the MapReduce algorithm to consume IIS logs (input) & store JSON (output) in an S3 bucket. It also fed the D3 Web Apps with JSON files directly from the S3 buckets.

Societe Generale - Global Solution Centre, Bangalore**August 8th, 2012 – July 26th, 2013****Young Graduate - Windows Server Administrator**

- **Health Check of VMs Automation:** Developed a script to extract the status of every server of Societe Generale clients on all the ESXi present two data centers and presented it as a web application.
- **Server Construction, Maintenance and 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.
- **HP c7000 Blade servers and asset management:** Individually handled iLO and Firmware up-gradation of 706 servers.

EDUCATION**The University of Texas at Dallas, Richardson, TX****August 2015****M. S. in Computer Science.****P. E. S Institute of Technology, Bangalore South Campus, India****May 2012****B. E. in Information Science and Engineering.****TECHNICAL SKILLS**My work Samples: <https://www.bitbucket.org/tejaspattabhi>

- Languages: Java, C++, C and Python.
- Experienced in building sophisticated distributed systems using REST APIs.
- Good knowledge in Cloud Computing and Big Data Analytics – Hadoop - MapReduce, Pig and Hive. Learning Scala
- Web: HTML5, JavaScript & JQuery, SQL and PHP. Scripting: Unix Shell & PowerShell. Good knowledge on JSON.
- Have very strong networking skills. Have worked extensively on HTTP, TCP/IP, DHCP and slightly on DNS.
- Use Git for Distributed Version Controlling. My work on various projects can be seen in the [link](#) above.
- Worked on AWS (EMR, S3 and EC2), D3 (Data Driven Document), IIS/Apache.
- Strong background in **OpenStack**. Hypervisors – VirtualBox, VMWare Player & Hyper-V. Good working experience with vSphere.

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. The simulation included BGP and OSPF implementation.
- **Person Tracker:** Using MapR, Similarity Matrices in Scala, developed a RESTful service API to track a person's movements based on Call Records. Designed 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 locations.^[1]

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](#)", IIITCS, vol.5, no.3, pp.29-39, 2013.