SaiKrishna Sripada

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Education

2014 – 2016	*MS by research at IIIT Hyderabad* CGPA: 8.00
Courses	Software Engineering, Advanced Computer Networks, Middleware Systems, Database Systems, Programming Languages, Software Quality Engineering.

Internship

Jan, 2016- July, 2016	**ABB India Corporate Research Centre** ,
	Dependency graph based impact analysis of automation engineering software. ,
	The work deals with skimming through millions of RDBMS records, object databases, plain textutal data and data obtained as csv/json to be converted and stored into graph database(Neo4j/GraphEngine). Perform Dependency analysis with in the data and bring in dynamic visualaizations from the obtained results. The key challenge here is to obtain accurate visualizations with minimum execution time on large dataset. .
	Technology : c sharp, graph database (neo4j), Dependency Graph
May,2015- Aug,2015	**Routeflow : Google Summer of code** ,
	Unified testing framework for Routeflow ,
	RouteFlow currently lacks of unified testing modules that can verify the status and behavior of all its components. This project will focus on building a framework for verification of all the components of RouteFlow and also on the definition of testing use cases for all the behavior of the routing platform. This project involves test-driven development using python. We have built a modular framework suitable for testing the use-cases of Routeflow. https://github.com/anhsirksai/RouteFlow/tree/vandervecken/rftest/tests.
	Technology and area : python, SDN, Routeflow, mininet, quagga, lxc

Work Experience

January, 2014 - May, 2014	**Systems Engineer** *TCS*, Hyderabad.
	Part of a team which develop software for telecom network elements (L2/L3 devices). Responsible for handling new feature requests and fixing high priority bugs.
June, 2013 - January, 2014	**Systems Engineer** *TCS*, Hyderabad.
	Part of openstack infrastructure setup team. Also involved in contributing to openstack as and when required. Fixed bugs for openstack platform.
August, 2011 - May, 2013	**Systems Engineer** *TCS*, Hyderabad.
	Worked on building a networking subsystem for interfaces to exist on networking devices such as routers, switches. Developed the command line interface to operate the networking devices.
December, 2010 - August, 2011	**Assistant Systems Engineer** *TCS*, Gurgaon.
	Part of Mission critical Mainframes team, where I am responsible for maintaining servers which are critical for bank to operate Responsible for resolving issues and maintaining unix servers.

Github Profile

https://github.com/anhsirksai/.

Master thesis

Title *Extensible and Modifiable architectural framework for Gamification of Software Engineering Concepts.*

Advisor Prof. Y. Raghu Reddy

Publications

Saikrishna Sripada, Y. Raghu Reddy, Ashish Sureka.
In Support of Peer Code Review and Inspection in an Undergraduate Software Engineering Course: A Case Study, Conference on Software Engineering Education and Training (CSEE&T), Co-Located with International Conference on Software Engineering (ICSE), Florence, Italy, May 2015.

Saikrishna Sripada, Y. Raghu Reddy.
Code comprehension activities in Undergraduate Software Engineering course - A case study, Australasian Software Engineering Conference (ASWEC), Adelaide, Australia, September, 2015 .

Saikrishna Sripada, Y. Raghu Reddy, Shivam Khandelwal.
Architecting an extensible framework for Gamifying Software Engineering concepts, India Software Engineering Conference(ISEC), Goa, India, February, 2016..

Lov Kumar, SaiKrishna Sripada, Ashish Sureka.
A Review of Six Years of Asia-Pacific Software Engineering Conference, Bibliometric Analysis, **under review**.

Lov Kumar, SaiKrishna Sripada, Ashish Sureka, Santanu Ku. Rath
Effective Fault prediction Model Developed Using Least Square Support Vector Machine (LSSVM), **under review**.

Projects

Jan, 2014–
May, 2014
Worked under Prof. Shatrunjay Rawat.
SNMP and Bloom Filters to deploy a packet attribute system for Campus network.

Academic Employement

Research Assistant

May, 2014 -
June, 2015
Virtual labs *SERC*, IIIT Hyderabad.
As part of systems team, I worked on design and setup of the required hosting platform on amazon cloud. I am involved in proposing scalability improvements for the hosting platform based on usage analytics collected using *awstats*.
As part of the integration team, I worked on web applications to be web2.0 compliant.
Detailed achievements:
- Setup nagios server to monitor the cloud architecture of virtual labs hosting platform.
- Set up hosting platform required to host web applications:
  - worked on scaling the hosting platform to host several virtual machines on amazon in one single click.

Teaching Assistant

August, 2014
- Dec, 2014
Course name: Structured Software Analysis and Design, IIIT Hyderabad.
TA for Software engineering course taught at IIIT Hyderabad for sophomores.

Service Activities

APSEC 2015 **Social Media publicity co-chair and Student volunteer**.
www.apsec2015.org/organization.html/

ISEC 2016 **Social Media publicity co-chair**.
www.isec2016.org/organization.html/