

Kalyanasundaram Somasundaram

First Name: Kalyanasundaram
Last Name: Somasundaram

Address: 76 Marapalam I Street
KAS Nagar
Karungalpalayam, Erode.

Hobbies: Blogging (<http://blogs.eskratch.com>), Cricket, Reading Novels
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Areas of Interest: Networking, Machine Learning, Operating Systems
Programming Languages known : JAVA, C, C++, Ruby

Professional Experience

Developer Operations, media.net DirectI (<http://www.media.net>)
(July 2012-Present)

- Have set up virtual machines using Linux Containers(LXC) and made all critical systems like puppet, nagios, mcollective to be highly available with redundancy without any downtime
- Working on developing a predictive based system(using regression) to forecast number of apache and nginx hits at any moment in a day using historical data to identify attacks.
- Maintaining clusters of redis and creating high availability and replication among them.
- Configuring and Maintaining Logstash and Elastic Search for consolidation and mining of logs which also helps in finding patterns of traffic.
- Developed Docker + Jenkins deployment environment
- Puppet + LXC to test Infrastructure Code
- Developed a custom PDNS backend to serve DNS queries in C++

I have written about my work in detail @ my blog(<http://blogs.eskratch.com>)

Education

Year	School	Degree	Score
2012	College Of Engineering Guindy	Bachelor of Engineering (Computer Science)	9.48/10
2008	Adarsh Vidhyalaya Higher Secondary School	Higher Secondary Course	97.67%

Internship

Research Assistant, University of British Columbia, Vancouver, Canada

May 2011 – August 2011

Designed a machine learning system to classify bug reports across various products in an open source bug repository without the intervention of human triager.

Technologies Worked On: Latent Dirichlet Allocation(LDA), Support Vector Machines(SVM), naïve Bayesian Classifiers.

Research Publications

Automatic Categorisation of Bug Reports using Latent Dirichlet Allocation

Authors: Kalyanasundaram and Gail Murphy

Conference: India Software Engineering Conference(ISEC), Feb 2012, IIT Kanpur

url: <http://dl.acm.org/citation.cfm?id=2134276>

Responsibilities

- › Core Member, Kurukshetra 2012 (<http://kurukshetra.org.in>), international techno-management festival organised by CEG Tech Forum.
- › Chairman AU-CEG ACM Student Chapter for the year 2011-2012
- › Part of the organizing committee of TedXCeg 2012