Jinu P R
Development Engineer

Age: 24 years old
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Summary

- Have been developing highly scalable, available & fault-tolerant platforms on the cloud from February 2012.

- Worked in popular opensource Virtualization technologies.

- Worked on end-to-end Web development for K7 Tracker from January 2013.

Formation

2007-2011	B-Tech in Information Technology from Government Engineering College Palakkad, University of Calicut, Kerala.
2005-2007	Higher Secondary Education in Bio-Science from St.clares CGHSS, Thrissur, Kerala.

Technical Skills

Technologies	OpenCV, LXC, Xen, OpenVZ, Pylons,Web2py, Infrastructure as a Service.
Operating Systems	GNU/Linux, Mac OSX.
Languages	Python, C, Javascript,NodeJS
Databases	MySQL,riak
Version Control	Subversion,Exposure to Mercurial and git
Cloud Platforms	Google App Engine
Recent Interests	Django

Professional Experience

From Feb 2012	Development Engineer at K7 Computing Private Limited, Chennai.

- Integrated linux containers into StackIron (A virtualization platform).
- Worked on the ARM server solution from K7(TrueCore).
- Wrote Unit Tests for EggPlug (A NAS and Cloud Storage Device).
- Worked end-to-end on K7 Tracker UI and Server.

Projects

StackIron, Hypervisor Manager	StackIron is a virtualization platform. StackIron provides a unified interface to manage all opensource hypervisors. A pure python implementation for which we developed our own development framework and billing solution. It comes integrated with third party billing solutions like WHMCS as well. All basic functionalities like backup, templatization, migration, SAN and local storage management work seamlessly across all hypervisors.StackIron provides fine grained user control and allows various levels of user configurations at runtime. StackIron has an optional VLAN and bonding functionality along with Basic Firewall and traffic controlling.
K7 Tracker, Security Tracking Software	K7 Tracker is an invisible software security application that traces the location of missing laptops for recovery. It is a light weight application that will help you track and find your laptop if it ever gets stolen. K7 Tracker provides a method for mitigating this risk. This tracking system send, over the Internet, updates regarding the current location of the device to a remotely administered repository. If the device is lost or stolen, but maintains Internet connectivity and unmodified software, the tracking system can keep tabs on the current whereabouts of the device. This data could prove invaluable when the appropriate authorities attempt to recover the device

Personal Projects

Eye Tracking Driven Virtual Computer Mouse	A camera mouse application was developed in C(using OpenCV) that tracks human body movements in video from webcam to manipulate virtual computer pointing devices like mouse.
OpenCV Particle segregation	An application was developed in C (using OpenCV) to classify objects in an image based on their size and shape.
Design of a toy Unix shell	A small unix shell was implemented in C with support for redirection and piping.
Avl Tree Implementation	An Avl tree datastructure was implemented in C.
Bloom Filter Implementation	A probabilistic datastructure, Bloom Filter was implemented in C.
Visualizing graph vertex coloring using NodeJS and HTML5 Canvas	A simple program was written to visualize graph vertex coloring using NodeJS and HTML5 canvas.
A Google App Engine based framework for graph algorithm visualization	An application was developed in Python(running on Google App Engine) to visualize the graph vertex colouring algorithm.
A Google App Engine Based URL Shortener	A simple webapp was developed in Python using Google App Engine/python to shorten URLs.

Online Profiles

Blog	https://jinurajan.wordpress.com
Code Repository	https://bitbucket.org/jinurajan, https://github.com/jinurajan
LinkedIn	http://www.linkedin.com/in/jinuprajan

Interests & Activities

💡 Learning new technologies

🐃 Free Software Movement

⠿ Solving problems