Kannan Ponnusamy

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Career Objective

- Web Technologies
- Cloud Computing (OpenStack)
- Open Source Technologies

Current Employer

Technology Consultant, **Hewlett-Packard**

Experience: **24 Months**

Technical skills

Web Technologies	Django, LAMP Stack, HTML/CSS, JavaScript, Bootstrap, jQuery, Wordpress
Cloud Service	OpenStack, AWS
Programming	Python, Core Java, PHP
Infrastructure	Linux Operating System, Linux Commands and Utilities, Shell Scripting, Python, CloudFormation + Puppet (Beginner)
Database	MySQL, Oracle, SQL Server
Software Development	IDE: Eclipse, Vim and Sublime; SCM: GIT

Patent and Awards

- Applied for **Potential HP Patent** for the idea Mobility: Controlling Jobs on the Go in TechCon 2012, and won Outstanding Innovation award for presenting the idea in Parasparam, 2012
- Got the best Social award and **first prize** for presenting the project Share Your Ride in **HP Hackathon** 2013

Education

2007–2011	**B.Tech Information Technology**, . Kongu Engineering College, Erode

Certification and Trainings

- OpenStack CloudU Certification from Rackspace
- Puppet Labs Workshop Course Library

Experience at Hewlett-Packard

Working on **Funnel**, *HP Innovation Center, Italy*.

Funnel is a a Django based management framework , which is used by HP Innovation center for day to day activities.
Technology Stack: Django, Python, South, jQuery, RHEL server in HP Private Cloud, HP Internal SVN
Roles:
- Development of the Django based management framework.
- Developed the scripts to pull employee information from the LDAP Service using Python
- Now working on few changes and migrations in the framework using South.

June/2013– **nRelate Analytics**.
Nov/2013

nRelate is plugin which serves related content on the web. nRelate Analytics Project is to process the raw logs and generate the advertiser and publisher reports in impressions and clicks(internal, external and ad) level.
Technology Stack: Hadoop, MySQL, AWS(EC2, EBS, S3, Glacier, ELB, R53) **Roles:**
- Optimizing and Managing AWS Cluster and monitoring
- Automated many infrastructure related works like Cluster setup, Data migration, Daily report, etc

June/2013– **MediaBin**, *Clorox*.
Sep/2013

MediaBin is the Clorox digital library, which provides central storage for immediate self-service access to digital and rich media assets.
Technology Stack: Java, JavaScript, Bean Shell, SQL Server
Roles:
- Development of the MediaBin Asset Management Workflow system.
- Mass asset upload and downloading assets (Global Users).
- Worked on the SQL Server to automate the workflow tasks.
- Worked on the enhancements in the MediaBin Application.

Aug/2012– **Preferred Ingredient Calculator (PIC)**, *Clorox*.
June/2013

The PIC is a web application that provides instant scoring of raw materials by measuring sustainability attributes and to provide guidance to Product Developers, Procurement professionals, so that they can produce more sustainable Clorox product portfolio
Technology Stack: ASP.Net, jQuery, SQL Server
Roles:
- Developed the graph analysis system for the scores generated in the application
- Developed the various aesthetic user interface changes using jQuery which makes Clorox scientists life easy.
- Developed various features like upload using the excel sheet, export functionalities to excel.
- Developed stored procedures for the better suggestions for Clorox product scientists.

12/2012 **Controlling Jobs on the go**.

This application is designed in such a way that one can get the status of windows tasks or SQL jobs after completion (start/stop/restart) to mobile and then give a counter action to perform based on the job completion status, all this without even accessing your PC. Job refers windows tasks, SQL jobs, and other enterprise jobs
Technology Stack: Python, MySQL, J2ME, Linux Server on HP Cloud
Roles:
- Development of this smart mobile/web application.
- Applied this idea to TechCon 2012, a International Conference at HP and got selected to apply patent for the innovative idea.
- Team Size: 3

07/2013   **Share Your Ride**, *HP Hackathon*.

Share Your Ride is to provide employees of an organization with a web portal which facilitates employees to post offers for a shared ride and to request a shared ride. On successful match they can work out for a shared ride.

Technology Stack: MySQL, ,Twitter Bootstrap, jQuery, PHP, Python, Linux Server on HP Cloud

Roles:

- Developed this web application as part of HP Hackathon 2013 and got the best social project.
- Team Size: 4 **Link:** https://github.com/kannan4k/ShareYourRide

07/2013   **MiFosX**, *Random Hacks of Kindness*.

MifosX is a free and open source technology platform for financial inclusion of the poor. It is a Microfinance Software.

Technology Stack: Andriod App Development, jQuery

Roles:

- Developed the Android Application part of the HP in Random Hacks of Kindness event on December 2012.
  Link: http://www.openmf.org/rhok-recap/
  Code: https://github.com/kannan4k/mifos

Experiments

- Customized Ubuntu Linux distribution by extracting the kernel, porting new applications into that and built an Ubuntu based OS with the applications installed by default
- Setting up the Private Cloud using Openstack and managing instances.
- Developed the shell script which can do predictive text entries for commands in gnome-terminal.

Conferences Participated

- PyCon India 2013, Bangalore
- AWS Summit 2013, Bangalore
- PuppetConf 2013, Live Stream
- DevOpsDays 2013, Bangalore