Phalgun Guduthur

Bangalore, India
919900410960
me@phalgun.in
http://phalgun.in

I am a backend dev+ops guy with fiddling expertise in HTML & non fancy CSS. In my growing years as a programmer, I have worked on web backend services, location based services on mobile devices and system app development.

I like solving my own problems and feel a tinge of satisfaction if others are helped by it too. I prefer working on something that I can connect with and can take pride in building it. I have contributed to open source projects, started an open source community in my college and am a regular at hackathons in the city.

Technical Skills

Like: python, java, html, javascript, mysql, rest, git, geolocation

Experience

Backend Developer – SignEasy   *February 2014 – Current*
python, flask, git, amazon-web-services, amazon-s3, nginx, jenkins

- Own the REST API and backend infrastructure of SignEasy.
- Developed a completely new backend API for SignEasy from scratch.
- Completely revamped the file storage infrastructure, **twice**, to a more reliable and error free system.
- Made the backend more fault tolerant. Brought down the system downtimes to zero.
- Restructured the deployment processes followed by incorporating git and Jenkins
- Maintain the older cloud powered backend of SignEasy APIs and services.
- Responsible for ops and sanity of the backend.
- Scripts for product analytics for internal use.

System Software Engineer – Akamai Technologies   *July 2012 – January 2014*
java, rest, javascript, html, jersey, hibernate, python, junit, mockito, elasticsearch, logstash, agile-project-management

- I developed REST API's for Akamai's online store to purchase products. I designed the application interactions with SalesForce and managed it.
- I also wore a dev ops hat - I helped develop and maintain a log analysis tool similar to Splunk, which is used to analyze the petabytes of logs Akamai's servers produce.
- Using ElasticSearch and Logstash, designed a log querying tool handling up to 200 GB of data every hour.

Google Summer of Code - Student Developer – KDE   *May 2012 – August 2012*
c++, kde, qt, semantic, oop

- Developed a semantic backend plugin for a music player called Amarok to store metadata using Nepomuk framework – Soprano, Strigi and SPARQL. I currently maintain the new backend for Amarok.
- I made sure that the code I wrote was pushed upstream and it went public with Amarok version 2.7

Intern - Framework Engineer – MobStac - Mobile Motion Technologies   *June 2011 – July 2011*
python, bash, xpath, rss, lxml, pyunit

- Wrote a web page crawler that extracted various social media widgets using lxml
- Support for vimeo and flickr rss parsing
- Played around briefly with mongodb for analytics

Education

B.E. Computer Science – PES Institute of Technology (Autonomous)   *2008 – 2012*

- CGPA of 8.46 on a relative grading scheme.
- Distinction awardee for all 8 semesters
- Was the event head of the first 24 hour hackathon in PESIT - *Ayana* (http://ayana.pes.edu/)
- Co-founded *PES Open Source Community* (http://pesos.pes.edu) to evangelize open source development and contribution which is still going strong.
- Co-founded Student Nokia Developer to help form a community of students developing mobile applications.

Social Psychology – Coursera   *2013 – 2013*

Psychology is a hobby, I'm keen on understanding human behavior and what influences them. I completed the course with a *Statement of Accomplishment*
(https://www.dropbox.com/s/20u16p5kzs4k6c6/Coursera%20socialpsychology%202013.pdf).

Projects & Interests

GitHub - amarok-nepomuk – https://github.com/phalgun/amarok-nepomuk   *July 2012 - November 2012*
c++, qt, kde

This is my GSoC 2012 project for KDE and the awesome Amarok community.

Developed the whole project and was mentored by the Amarok community.

GitHub - Pricekart – https://github.com/phalgun/Pricekart   *August 2012*
javascript, google-chrome-extension

Chrome extension which helps you shop easily on e-commerce sites. People usually spend most of their online shopping time comparing prices and delivery times. What if all these were available in one single click ? This chrome extension determines the product you are viewing and shows the prices of the product from other e-commerce sites. And you can easily choose the one of your liking without much hassle.

GitHub - RepontiK – https://github.com/phalgun/RepontiK   *March 2012*
c++, qt, kde

A nepomuk based browser to view and search your files, music, images, contacts and email.

AutoMeter – http://www.getjar.mobi/mobile/49736/AutoMeter
java-me, jsr179

Beat AutoRickshaws with fake meters. This application tells what the exact fare is and helps you in case of a tampered meter. No need of GPRS and the application is free to use. Customized for Bangalore but can be used anywhere.

Developed the whole application in under 2 hours. More than 40k downloads till date.