Rohan Honwade

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OBJECTIVE

Looking for Full-Time opportunities in areas such as Backend / Full Stack Application development, Machine Learning, Tool development

WORK EXPERIENCE

MAY 2014 – AUGUST 2014

Amazon.com, Seattle, USA

Software Development Engineer Intern

Developed a Spring based Java web service using Service Oriented Architecture to provide the top 10 products bought by customers. Implemented Factory, Singleton design patterns.

Also developed a widget for the Amazon home page to consume this service

APRIL 2011 – JULY 2013

Oracle, Bangalore, India

Senior Member of Technical Staff

Wrapper around Selenium framework for user interface automation. Used Page Object design pattern.
Result - *Saved 90 hours of manual effort per release. Increase in automation from 0 to around 90%*

Single point of contact for product feature. Spotted security vulnerabilities. Worked in an Agile methodology driven environment.

JULY 2009 – MARCH 2011

Misys PLC, Bangalore, India

Software Engineer

Java application to enforce coding standards upon file save. Used Factory design pattern.
Result - *Attached as a pre-commit hook in Subversion. Used by more than 150 developers*

Web application using JSP, Hibernate and Servlets to maintain metadata and relationship details of source code files.

Source code refactoring Java application. Made batch mode changes to 1500 files.
Result - *Saved 95% of manual effort. New tool creation time reduced by 50% using generic templates*

SOFTWARE SKILLS

PROFICIENT	Core Java
INTERMEDIATE	Spring, Hibernate, JSP, Servlets, Machine Learning, Android, MySQL, Google App Engine, PHP, C++, C, Ruby, JavaScript, Unix, Shell scripting
BASIC LEVEL	Python, Matlab, CloudSim, R

PROJECTS

- **Machine Learning driven cloud workload usage prediction**
  Working on prediction of resource usage of applications deployed in cloud containers - an autoscaling service for Apache Mesos

- **Service placement in cloud using Machine Learning**
  Effective placement of computation in a network for optimal usage of resources. Developed fitness function used for Genetic Algorithm

- **Android app for deal notification**
  Connecting shops with users for location aware user preferred deals
  Won a $1000 Best Project Award out of 20 teams, from School of Computer Science, CMU

- **Article recommending website**
  Ruby on Rails website to recommend new articles to readers

- **Online shopping website (BestBay)**
  Buy, Sell and Auction items. Developed in Ruby on Rails

- **Steganography Using Sudoku Puzzle**
  Sudoku puzzles used as keys to hide data in images. Best Research Paper Award

EDUCATION

EXPECTED-MAY 2015

Carnegie Mellon University
Master of Science in Information Technology
CIT, Pittsburgh, PA - Silicon Valley, CA, USA
GPA - 3.71
Select coursework - Machine Learning, Software Engineering, Mobile and Pervasive Computing Services

JUNE 2005 - JULY 2009

RV College of Engineering
Bachelor of Engineering in Computer Science
Visvesvaraya Technological University, India
GPA - 71/100
Select coursework - Algorithm Design and Analysis, Data Structures, Database Systems, Java