

Raja Krishnan

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OVERVIEW

- Experience in programming using C++ and Java over 3 years
- Expertise in building web sites using PHP and MySQL
- Hands on experience with Google API and IBM Tools
- Good working knowledge in Android application development

EDUCATION

Master of Science, Computer Science, University of Illinois at Chicago, USA

Expected graduation: Aug 2012

Bachelor of Engineering, Computer Science, Anna University, INDIA

2004-2008, First Class Degree with Distinction

EXPERIENCE

Product Analyst Intern, Quodient Inc. (Aug 2011 – Dec 2011)

- Involved in defining the system of an event management application
- Gathering user requirements and designing the use cases for the application
- Designing the DB schema of the application
- Developing prototype of the product using PHP and MySQL

Software Engineer Intern, Motorola Solutions Inc. (May 2011 – Aug 2011)

- Unified Network Controller is a User Interface, governing communication of public safety devices
- UNC assigns jobs to routers for device communication through a manual process
- Developed a process automation for scheduling the router jobs in the network, using Java
- Querying the database for the devices and channels and displaying it in the front end using struts framework

Graduate Assistant, Liberal Arts and Science, UIC (Aug 2011- Present)

- Technical support for over 60 professors, Lecturers and Students
- Website development of the LAS sites for Slavic & Baltic and Classics studies

Associate System Engineer, IBM, India (Dec 2008 - July 2010)

Application developer, Partner commerce – E-commerce web application

- Designed a new architecture for User Interface and Database connection in the application
- Involved in design phase of the release, containing accessible features for the application
- Modified the application into visually challenged users friendly
- Implemented AJAX in the ordering and shopping cart pages of the application
- Involved in development of the account level social media which is used in Agile process for tracking meetings and project members' contribution and progress
- Part of the Agile team of the account, IBM Geno

Developer, Blue Dreams - Research Team

- Developed Same Time (Instant Messenger) Plug-in for run time translation of messages
- Designed the architecture for interaction between IBM tools – Team Concert and Blue Sheet

SOFTWARE PROFICIENCY

Programming Languages : C, C++, Java, PHP
Databases : MySQL
Web Technology : HTML, CSS, JavaScript
CMS : Wordpress, Drupal

COURSE WORK - Computer algorithms, Database systems, Data and web semantics, Information Retrieval, User Interface Design, Distributed Object Programming, Secure computer systems and Advanced software engineering

TALKS / PRESENTATIONS

- Presented talks and ideas about developing “social media's influence on group projects” and “communities and collaboration across horizontals” at IBM
- Presented seminar on user friendly websites and “How to build Visually challenged users friendly web applications” at IBM India, Chennai
- Presented technical seminars on Python and Ajax implementation in all forms of web applications for IBM Global Account audience
- Presented the “Newly deployed UNCW features”, emphasizing the UNCW product of Motorola Solutions Inc. to Global clients at Motorola Solutions, Schaumburg, IL

PROJECTS

Super Predictor <http://superpredictor.info> (Apr2012) – *PHP, MySQL, JavaScript, CSS*

- Super predictor is a game prediction site for cricket
- Designing the webpages using HTML and CSS
- Implementing the admin pages that would update user scores (Running PHP Scripts post match)
- Designing and developing database using MySQL

Data-driven Test Suites for Websites (Oct 2011 – Dec 2011) – Java, Selenium

- Developing test suites for testing the functionalities of orbitz.com, kayak.com using Selenium
- Implementing the test cases using Java with the help of Selenium IDE

Stock Ticker <http://bit.ly/IGvEMj> (Sep 2011) - *jQuery, Yahoo API, Google Chrome*

- Stock Ticker is a simple Google Chrome extension for NSE stock market
- Implemented the interactive stock ticker using jQuery and AJAX
- Designing the html and css files for the extension's look and feel

Clustering Business – Info Retrieval (Feb 2011 – Apr 2011) – Java, MySQL, Weka, Opinion finder

- Clustering business is information retrieval technique to form clusters of restaurants based on the features, similarities, differences and user reviews
- Implementing the information extraction part using Java from MySQL
- Implementing the polarity assignment part of the reviews using the Opinion finder

Project Squirrel, Android Application <http://bit.ly/HPo7Ft> (Apr 2011) – *Java, Android SDK, SVN*

- Project Squirrel android application is the app for the website, <http://projectsquirrel.com>
- The android app contains features, like taking photos, storing user survey in file and mailing it
- Designing the user interface and implementing the functionalities of the app

Semantic Relatedness using Wordnet and Wikipedia (Oct 2010 - Dec 2010) - Java, Agreement Maker

- Agreement maker is a tool to compare two ontologies
- Semantic relatedness is a concept of deriving relation between two ontology concepts based on the semantics relatedness of the nodes of the ontologies
- Implementing the semantic relatedness add-on feature to the agreement maker using Java

DVD Rental System <http://mouval.com/code> (Oct 2010 - Dec 2010) - *PHP, MySQL*

- DVD rental system is an online portal for browsing and ordering movies from the store
- Coded the front end pages of the website using CSS and PHP
- Designed and created the database for the backend using MySQL

HONORS

- **Runner-up in the global IBM level designing competition** in Hackday -7 (Technical symposia)
- Awarded as ‘**Tech Innovator**’ by IBM India Pvt. Ltd.