

## Objective

Seeking a **Full Time Job** involving cutting-edge software development, that gives me an opportunity to learn and also expertise my technical skills

## Education

M.S., Computer Science, Indiana University, Bloomington (Expected Graduation Dec 2012), Current GPA 3.86  
B.E., Electronics and Communication Engineering, Anna University, India (July 2003 - May 2007), Aggregate: 76.7%

## Certification

Sun Certified Java Programmer 5 (SCJP)  
Sun Certified Web Component Developer 5(SCWCD)  
IBM Certified Application Developer - Websphere Commerce V6.0

## Technical Expertise

<b>Programming:</b>	Java, C#, C++, C
<b>Operating Systems:</b>	Windows, Linux, Android, Mac OS
<b>Database Systems:</b>	IBM DB2, Oracle 9i, MS SQL Server, MySQL, Apache Derby
<b>Cloud Technologies:</b>	Hadoop, MPI, PigLatin, Windows Azure
<b>Web Technologies:</b>	HTML, JavaScript, CSS, PHP, AJAX, jQuery, XML, Web Services, LAMP
<b>Web Server:</b>	Apache HTTP Server, IBM Websphere, IIS, Jetty
<b>Version Control:</b>	SVN, CVS, Perforce
<b>Tools:</b>	RAD, Eclipse, Visual Studio, IBM WCS, Photoshop, GIMP, VMware, FireBug, Web Developer Toolbar, Maven, Ant, Mathematica

## Professional Experience

### Intuit

May 2012 – Aug 2012

#### Software Engineer Intern

##### *Payment as a feature, QuickBooks (Java, CXF, Spring, Hibernate, TestNG)*

- Implemented restful web services using CXF, incorporating the Common Data Model defined.
- OAuth integration for the newly defined web services module.
- Defined a logging standard, so as to integrate logs with Splunk.
- Wrote test cases in TAME framework which is based on TestNG.

### Indiana University Alumni Association

Feb 2011– May 2012

#### Programmer Analyst

##### *IUAA Record Management Tools (C#.Net, WCF, MS SQL server)*

- Added tools to enhance record management, which has made it easier for record comparison and editing.
- Automated processes in the record management workflow, which earlier constituted to 2 man hours daily.

##### *IUAA Website ([alumni.indiana.edu](http://alumni.indiana.edu)) (C#.Net, WCF, WCMS, jQuery, AJAX, iModules, MS SQL server)*

- Redesign of the website, restructuring the layout/menu options, this has made it immensely user friendly.
- Enhanced the look and feel, which has increased the visual appeal of the website and has been appreciated by alumni.

##### *IUAA Event management & Membership (C#.Net, WCF, jQuery, AJAX, MS SQL server)*

- Creating Event modules which run across the alumni calendar and forms for user registration.
- Created new membership plans and managing user control based on membership and role.
- Revamp of the Travel module, which has made it more user interactive and visually attractive.

### Cognizant Technology Solutions, India

Sep 2007 – Dec 2010

#### Associate (May 2010 – Dec 2010)

##### *Alibaba India Site (Java, J2EE, Spring Framework, iBatis, Velocity and MySQL),*

- Led three engineers in the role of a module lead.
- Designed and developed the 'Manage Products' module for users.

##### *AutoTraderChasis,*

- Analysis of best practices and design strategies for Ad serving.
- Refactoring JSP pages into JSF views

### ***Programmer Analyst (Sep 2007 – Apr 2010)***

#### ***mJunction Online Platform (Java, J2EE, Websphere Commerce Server (WCS), Struts Framework, DB2),***

- Design, develop and testing for the Loyalty Micro Site, which models the redemption system.
- Involved in development of the Catalog Upload, Inventory Management, e-Spots/Promotions, Returns/Replacements, Tax Calculation, Serviceable/Non-Serviceable, User Registration, User Mailbox modules and UI refactoring.
- Involved in analysis and requirement clarification process with Business Analyst.
- Worked on performance enhancement and fixing of security vulnerabilities of the portal.
- Involved in fixing, testing and reviewing of minor and major bug fixes.

#### ***Intuit Script Operations Manager (C#.net, MS SQL server),***

- Worked on the development of the SOM tool upgrade and enablement of the partial automation of the reactive ticket creation.

#### ***Brainware IDC Verifier Proto-type (C#.net, Oracle),***

- Developed the thin client for an existing rich thick client application and developed the separate web modules for the thick client interface.

### **Academic Projects**

#### ***Analyze various runtime's performance on Windows Azure***

- Compare the performance of Kmeans Clustering and other data mining algorithms on different runtimes such as 'HPC scheduler', 'Daytona', 'Twister4Azure' and 'Twister on Azure Linux VMs' for various data sets on Windows Azure.

#### ***Sci2Tool (Java, CIShell Framework-OSGi, XSLT)***

- Developed a Google citation reader algorithm on CIShell for the Sci2 tool.
- Implemented a XML to CSV convertor algorithm on CIShell for the Sci2 tool.
- Partial implementation of workflow in CIShell framework.

#### ***Game World - Online Gaming Portal (Java, J2EE, Swing, Spring Framework, Hibernate, Derby, Maven)***

- Developed a web portal for gaming enthusiast, allowing them to play or build games.
- Modules that handle account creation, login, build/play games, rate games, user profile, user high scores.

#### ***Game Maker (Java, Swing, JUnit)***

- Created an interface for game making with tools and options that allow users to build their own games.
- User can save/load built games, define game rules/actions along with basic game play features.

#### ***Large scale IP filtering using Apache Pig (Java, PigLatin)***

- Implemented an IP address filter using Apache Pig on a cloud environment. The performance of the IP filter written would be analyzed for various sizes of data sets and also on varied execution environment.
- Implemented a similar IP address filter on MapReduce and compared the performance between the outputs obtained by both implementation by comparing both the executions in various environments like Future Grid, cluster machines etc.

#### ***Twister Kmeans (Java, Kmeans)***

- Implemented an automatic Twister kmeans clustering program which runs with different centroids and gets the best case set of centroids

#### ***Hadoop Blast (Java, Hadoop)***

- Implemented a map only Hadoop program for BLAST
- Analyzed performance of the program in clusters and cloud(Future Grid) environment

#### ***Recommendation System for healthcare articles (PHP, MySQL, CSS, Javascript)***

- Created an online Recommendation System and designed Browsing, searching and recommendation sections for health care articles
- Devised an efficient algorithm to compute the recommendation based on the data set provided to us which was a merge of the Delicious Tag, Users and Bookmark and Medline plus's health term hierarchy map.

#### ***Global Page Rank (C, MPI, Java)***

- Computed Global Page Rank for a set of URLs by parallelizing the processes in C
- Employed a cluster and MPI Distributed System and distributed the PageRank computation to different processes in the cluster and measured its performance in cloud
- Sequential calculation of Global Page Rank of URLs in Java

#### ***Resource Monitoring System (Java)***

- Implemented a monitoring system which extracts the system resource utilization details
- Analysis on a set of nodes which are present on a distributed environment by utilizing a middleware mechanism, Narada Brokering which will summarize the collected details and show them graphically.

### **Graduate Course Work**

Distributed Systems, Database and Internal Design, Theory of Computing, Object Oriented Software Development, Cloud Computing, Scientific Computing, Object Oriented Software management, Math modelling, Advanced Scientific Computing.

---