Pankaj Sharma

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Personal Profile

* Want to be an Innovative and resourceful software professional
* *JAVA SCJP Certification holder*, Member of two research groups in University.
* My technical skills include: ***Strong OOP, relational Database and networking concepts.***
* **Main Languages/ Frameworks** :
* **C, C++** [4 + years of experience in implementing various Academic projects].
* **JAVA/J2EE, Web Services, JAVASCRIPT, Hibernate, Struts, Spring Framework, SOAP**

[4+ years of experience in implementing various Academic /Work projects].

* **ASP.NET framework(C#),CSIM([Networking Language]),Python.**(2+Yearsof experience in implementing various Academic /Work projects).
* **HTML,CSS,PHP, and web development with JOOMLA** (3+ years of experience in developing front ends and integrating with back ends)
* **Servers:**
* **Web logic, SQL server, JBOSS, Oracle and Tomcat Apache.**
* **Operating Systems :**
* **MS DOS, Office, Windows XP, Vista, 7 and UNIX.**
* **Misc**
* **Ant Scripting, Maven, CVS, Development on Visual studio and Eclipse.**
* ***3+ years*** of Professional work experience and ***3.5+ years*** of total work experience.

Education

*Texas Tech University,* **Degree** - M.S (Aug 2010-May 2012), **Specialization** –Computer Science.

***GPA- 3.92/4.0***

*JSS Academy of Technical education* ***Degree****-B.S.(2005-2009).* ***Specializatio****n-Information technology*

***GPA-3.8/4.0***

Experience

* *Internship (Information Systems) (3 Months)*

American Family Insurance Company (Information Systems Division),

Wisconsin, Madison. (USA)  *May 2011-Aug 2011*

Development of an in-house framework for educating the existing Java employees about Spring MVC, Hibernate ORM, Web services. This project included Designing, development, analysis, documentation and support testing of the modules assigned to the developers. The project required to work under an agile environment. Also, Scripting needed to done for making a number of tasks automated for instance, I developed a script to convert all the software material purchased from other vendor in past into the standard that is followed these days.

* *Professional Experience (1+ Years),*

**Technology Bot** .New Delhi, (India). *May 2009-July 2010.*

DBMS requirements evaluation and partial implementation with other team members. I was assigned to work closely with a team of 3 interns to guide/supervise them. The technologies on which we worked were .NET (C#), JavaScript, HTML, CSS. Also, I performed the QA work, XML parsing, configuration issues.

* **Training and assistant Experience (2+ Years).** August 2008 to May 2009 and Present.

Researching about new technologies and frameworks like Code Igniter for PHP. Optimization of open source APIs, For example, Re implementation of Hash tables for reducing the collisions .Other assignments needed strong analytical skills, Knowledge of time space complexity etc.

**Major Projects**:

* Software quality analyzer which gives the quality of the software given the predefined parameters and online shopping cart component used in various E commerce websites.
* Satisﬁability test of clauses and its application (N queens Problem).
* Implementation of Email Spam detection using Machine Learning (Bayesian Networks)
* Web Scraping tool which is being used to scrap (extract) the data from websites.
* Distributed System model to simulate the client server environment to simulate the cache performance under various constraints.
* Currently, working on developing Linux kernel and the plan is to implement an operating system for Android device using ARM processor within next two months.

Papers/Honors

* **Mutation 2011**

**Title:** Identifying Equivalent Mutants based on Distance Functions - An Explanatory Study

* **ICPC 2011** (International Conference in Program Comprehension)

**Was runner up** and got International Recognition in the Industrial Challenge Session at ICPC and **was enlisted in** University annual Magazine for this achievement*.*

* **Nomination** for prestigious Congressial Internship program
* **Invitation** to Golden Key organization for being in Top 5% in my Graduate school.
* **Awarded** competitive Academic graduate scholarship