

JAVA TEACHING ASSISTANT

Profile

Hands-on experience in designing both Front end and Back end applications using JAVA, J2EE Web frameworks, HTML, CSS, JavaScript, AJAX, JQuery, Servlets, JSP, JSP Custom Tag Libraries, JDBC, Spring MVC, Hibernate, SOAP/Rest web services, Struts and Angular JS. Hands on experience on tools like Rational Rose, flowcharts, Class & Sequence diagrams and functional specification. Strong knowledge in writing SQL Queries and Stored Procedures, functions, triggers, packages and experience with relational databases like Oracle, DB2 and MySQL. Extensive qualification in all phases of software development life cycle. Experienced in using spring modules like Spring IOC, Spring AOP, Spring MVC, Spring ORM integration to develop applications. Proficient in using tools like opencv, opengl and developing algorithms to determine image processing techniques. Experience in developing android applications using SQLite, Java, Mobile JQuery, Eclipse IDE, Android Studio, Android SDK and ADT plug in.

Core Qualifications

- Languages C, C++, Java, VB.NET, TSQL, PL/SQL
- Web & Interface Technologies Servlets, JSP, HTML, XML, CSS, Angular JS
- Databases Oracle, MySQL, SQL SERVER 2005/2008/2010
- Scripting Languages JavaScript, VBScript, jQuery
- Tools ECLIPSE, Visual studio 2008/2010, Net Beans Ide, SQL Server, Oracle.

Professional Experience

05/2016 to 10/2016

- Graduate Research Project: Digital Engagement Software Project Development (UDRIT) Designed and developed a customized platform for more than 100 users.
- Analyzed the functionality of the system and trained staff and faculty to use the platform.
- Created course and program modules for the members accessing the platform.
- Interacted with the support teams to explore features to enhance development.
- Environment: Java, JSP, JavaScript, JavaFx, AJAX, Struts, Spring, Hibernate, Oracle, WebSphere Application Server, and Eclipse.

08/2015 to 12/2015

Java Teaching Assistant Bickford Senior Living

- Assisted professor in teaching courses by developing course material Interacted with students in class, lab and online to answer their questions, grading assignments and exams.
- Manage the Database of facilitators work hours, Students attendance, Final Grades using MS Access & Google sheets Developed model projects for students to improve understanding of the concepts.

04/2014 to 12/2014

Software Developer, Tech Mahindra

- Training was given for over 3 months on core java, tomcat, spring, Unix shell scripting and SQL.
- Involved in various SDLC stages of executing J2EE based enterprise applications including requirement analysis, design, implementation and support.
- Developed front-end of Mobile Service Application and created Responsive design using JQUERY Mobile.
- Developed a retail and logistics logic using java, Database Management.
- Experience in working with PL/SQL packages, Stored Procedures, Functions and Triggers.
- Participated in code reviews and debugged code pre-release.
- Prepared Unit Test cases using Junit.
- Environment: HTML5, CSS3, JavaScript, jQuery, AJAX, JSON, XML, JSP, SDLC (Waterfall).
- PROJECTS: University Management System: It is designed to maintain the record of students and courses offered by an university.
- Oracle 11g express is the back end to store and manage the database for the management system
- The front -end application communicates with the students through a web interface where a staff member can upload resources at the same time students can access them
- All the data will be stored in the back end and can be retrieved as reports with filtering options.
- This project involves developing Business Process Flows, preparing graphical depictions of use cases including Use Case diagrams, Sequence Diagrams, Class Diagrams and Collaboration diagrams based on UML methodology.
- Technologies used are Visual Studio 2010, Java, JavaScript, Oracle, Rational Rose, IBM Architect, TSQL and SQL.
- Online Banking student portal: Designed and developed an online portal which acts as an interface between the students and banking staff.
- Through this portal a client can book an appointment, apply for loan, make payments online without actually attending to the bank in person and can avail other banking services.
- Technologies used are MY-SQL, Eclipse 3.3, Apache Tomcat, Java, JavaScript, TSQL and SQL.
- Spam base E-Mail Classification Filtering undesired or unsolicited emails from an inbox is a complicated and highly personalized application that is greatly necessary in the workplace and at home to keep email accounts, and the computers they are accessed from, secure and orderly.
- Support Vector Machine (SVM), with varying kernel functions is used for to classify the e-mail.
- SVM model classified a maximum of 91% of the emails correctly, also generating approximately 5% false positives, an improvement on the neural network and simulated annealing approaches Cross-Site Scripting Prevention Techniques: This project looks at two defenses in particular, HTML escaping and the newer Content Security Policy, and attempts to build a competent filter to prevent XSS attacks, while

observing the growth in time complexity of such a filter.

- Technologies used are a Malicious Blog, JavaScript, PHP, Virtual Box, and SQL Server.
- Make Me Fit - Android Application A health app designed with navigational layout to track calories, provide information about Yoga, Meditation, Zumba and bring major health news, magazines at one place.
- Fragments are used to link all the necessary functional activities in the application to the main content frame in the Main activity.
- Make Me Fit is programmed in java in the Android studio(IDE).

Education

Dec 2016

Masters : Computer Science University of Dayton Computer Science 3.87/4.0

June 2012

Bachelor of Engineering : Computer Science and Engineering Jawaharlal Nehru Technology University i¹/₄ City India Computer Science and Engineering 7.6/10.0

Skills

VB.NET, AJAX, Apache, Architect, banking, book, developing Business, C, C++, content, CSS, CSS3, client, Databases, Database, Database Management, Eclipse, Eclipse 3.3, E-Mail, email, XML, features, frame, functional, HTML, HTML5, PHP, IBM, IDE, J2EE, Java, JSP, Beans, JavaScript, JQUERY, JSON, layout, logic, logistics, access, MS Access, MySQL, MY-SQL, enterprise, network, neural, Oracle, PL/SQL, Project Development, express, Rational Rose, requirement, Research, retail, SDLC, Servlets, Scripting, SQL, SQL SERVER, Struts, teaching, Tomcat, TSQL, UML, Unix shell scripting, VBScript, Visual Studio, WebSphere