Sahil Kullar

Software Developer

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Profile

I am a responsible, ambitious and hardworking individual who enjoys challenges. I am able to work efficiently both alone and as part of a team with enthusiasm and initiative. I am a keen developer with an eye for details and passion for writing clean and efficient code.

I want to utilize my skills in problem solving, application designing and coding in a fast pace working environment so that I can develop my skills further. I'm also confident in communicating with people and have a mature attitude towards work.

Continually strive to stay current and learn new technologies by continually viewing Pluralsight courses related to Software Development.

Skills & Expertise

| Core Java | HTML5 | Front-end Development | Microsoft SQL Server |

Java SE | CSS3 | Back-end Development | MySql

Java EE | LESS & SASS | Server Side Programming

C# | JavaScript | Object-Oriented Programming (OOP)

C | jQuery | Algorithms

C++ | Node.js | Unified Modeling Language (UML)

Objective C | Bootstrap

Education

2015 – 2016   **Master of Science (MSc), Computer Science**
Activities & Societies : HaCS (Hackathon and Computing Society), SAS Student Academy
Birmingham City University

2011 – 2014   **Bachelor's degree, Computer Applications**
Guru Nanak Dev University

Certifications

November 2016   **JavaScript Design Patterns**
Pluralsight

October 2016   **Quick Start to JavaScript: Volume 3**
Pluralsight

October 2016   **Quick Start to JavaScript: Volume 2**
Pluralsight

October 2016   **Quick Start to JavaScript: Volume 1**
Pluralsight

October 2016   **HTML5 Fundamentals**
Pluralsight

September 2014   **HTML Fundamentals**
Pluralsight

August 2014   **Advanced Java Programming For Web Development**
Oracle

July 2013   **Java Programming Language using Java SE6**
Oracle

Projects

Feb 2016 – May 2016

Java EE and Light Weight Spring Framework based Enterprise Application (Research + Implementation)
Birmingham City University

Research Part

The architecture of traditional Java EE suffers poor performance in developing and deploying Enterprise Application because of its heavyweight Enterprise Java Beans (EJB). Java EE is known for its complicated design and because of that the people are now moving to lightweight Java EE which comprises more responsive frameworks such as Spring and so forth.

This paper discusses about the best practices of utilizing Java EE by incorporating the lightweight Spring Framework.

Implementation Part

A robust and scalable Airline Enterprise Application is built using MVC design pattern and technologies like JSP, Servlets, Spring, Enterprise Java Beans (EJB), Context and Dependency Injections (CDI), Java Persistence API (JPA) and JAX-RS. This application is supported by SQL server. In order to make this application more interactive HTML5, CSS3, jQuery and JavaScript is used.

Sept 2015 – Dec 2015

Improving Performance of Healthcare Systems with Service Oriented Architecture (Research + Implementation)
Birmingham City University

Research Part

Healthcare systems are facing difficulties in managing a large and growing group of systems. The cost of maintaining, combining, integrating and acquiring these systems are growing and rising and the demand in system users are also increasing.

With Service oriented architecture (SOA) there is no need for re-engineering or designing of the existing system in fact with Service oriented architecture (SOA) existing system can be combined with new capabilities to build a collection of services that can be used as a part of solutions.

Implementation Part

Healthcare application is built which has five hosted SOAP web services. SOAP is one of the approaches to implement SOA. The four web services are written in JAVA which runs on the glassfish server and the remaining web service is written in C# which runs on IIS server. All the web services are consumed in JAVA and supported by Wamp Server database. The interface is built using HTML5, CSS3, Javascript and JQuery.

Feb 2015 – Mar 2015

Calorie Calculator – IOS app
Birmingham City University

The application allows a user to track the amount of calorie they consume in a day. The application has the ability to add calorie limit, which will be stored as a total, and the ability to set a limit and detect when the calorie limit is reached. The application has a history screen that allows a user to see the history of what they have entered, during the session. The application also allows the user to add or edit its own list of food items and their calories.

➢ For setting the limit, the property list in the settings bundle with a default limit is used and user can also change the limit from the main interface.

➢ For storing history and storing food items, the core data is used.

Feb 2014 – Mar 2014

Hospital Management System – Windows based application
Guru Nanak Dev University

A windows based application called "Hospital Management System" is built using Core Java and JDBC supported by SQL server. The main purpose of this application is to register and store the patient details and doctor details and retrieve these details as and when required, and also to manipulate these details meaningfully.