**Amandeep Kaur Chahal**

**Milwaukee, WI**

**Summary**

Salesforce developer with an emphasis on developing concurrent, robust and secure web applications using Salesforce framework, Spring framework, J2EE technologies and Cloud based services. Have been working in highly competitive agile environment. Possess excellent communication skills. Fluent in English, Hindi and Punjabi.

**Skills Summary**

|  |  |
| --- | --- |
| **J2EE Technologies** | JDBC, Spring Restful services, QueryDSL |
| **Frameworks** | Spring, Google Guice, Spring MVC, CURAM 6.1.0.1, Maven, JPA Annotations. |
| **Front-ends** | HTML, XML, JavaScript, CSS, JSON |
| **Database** | MySQL, Oracle 10g, Db2 10.5, Elastic Search, MongoDB, Postgresql, SOQL, SOSL. |
| **Languages** | JAVA, SQL, Python, APEX |
| **Web/Application Servers** | Apache Tomcat, Amazon AWS, Heroku, Apache Zeppelin |
| **IDEs** | Eclipse Luna, Dreamweaver, SqlDbx Database Editor, pgAdmin, Spring tool Suite, Sublime Text, Postman, Intellij, Force.com IDE. |
| **Tools and technologies** | SVN, GIT, JUNIT, JMETER, BIRT 4.4.1, SourceTree, Bitbucket, Apache ant 1.9.4, DOM Parser, JIRA, Jenkins, Pit Mutation, Mockito, JMeter, Sonar Qube, RabbitMQ, Salesforce. |
| **Operating System** | MAC OS and Windows |
| **Methodologies** | Agile environment, Waterfall |
| **Communication tools** | Microsoft Lync, Slack, Sharepoint. |

**May2017-Current**

**Tech Canary**

**Position: Salesforce developer**

Tech Canary is a Milwaukee based company which provides its client in the Insurance industry with CRM solutions which are innovative alternative to legacy agency management systems using Salesforce.

**Responsibilities:**

* Develop, test and implement apex code, SOQL, SOSL, triggers and visual force pages using IlluminatedCloud in IntelliJ and [force.com](http://force.com/).
* Built and deployed the code to the sandbox and to scratch orgs.
* Write JUNITs test cases to test the code.
* Implemented service layer and selector design patterns in source code.
* Currently using salesforce SFDX scratch orgs for development.
* Pull metadata and install packages in different orgs using Salesforce Ant migration tool.
* Use data loader to upload data into different orgs.
* Use Amazon AWS CLI  to upload, remove and create buckets and data into them using custom settings in salesforce for clients and for testing purposes.

**Selected Accomplishments:**

* Developed ACORD (Association for Cooperative Operations Research and Development) AL3 (Acord standard) parser application for US clients and CSIO(Center for Study of Insurance Operations) parser application for Canadian clients which are used to parse AL3 and CSIO EDI files and convert them into salesforce objects using AL3 and CSIO standards mapping in custom setting. Wrote triggers, controller, implemented Queuable Interface and test cases for these. These applications are helping our US and Canadian clients in better downloads and generating US ACORD and Canadian CSIO forms with more captured data.
* Developed EDocs (Electronic documentation for downloads) processor application for both US and Canada clients for processing incoming EDocs files in XML file format using DOM Parser.
* Developed Claims Downloader application for US clients for processing incoming Claim files in XML file format.
* Developed AL3 Generator application for generating AL3 files which our US clients can use to parse through ACS2000 rater application.
* Developed CSIO EDI Generator application for generating CSIO EDI files which our Canadian clients can use to parse through PowerQuote rater application.

**December 2015 – May 2017**

**Drivin Chicago**

**Position: Sr. Software Developer**

Drivin is a Chicago based company which provides used vehicle to the automotive dealers by bringing data and technology together through webservices in United States. Drivin is powered by CarCo Technologies.

**Responsibilities:**

* Developed, tested and implemented restful web services using Spring restful template in Spring tool suite to support internal and external tools used at Drivin.
* Built and deployed the code to both production and development environments using Jenkins and Apache Tomcat server.
* Did peer reviews and wrote JUNITs test cases to test the code and used PIT Mutation testing tool and SonarQube to check the code coverage for quality assurance.
* Attended sprint planning meetings, backlog grooming and daily standup meetings.
* Wrote a python script to populate an elastic search index with data from a .csv file in Sublime Text editor.
* Created and assigned tickets on JIRA board for the back-end work.
* Worked on an internal project called HyperDrive where I used RabbitMq and Spring AMQP. I created a project to read topics from salesforce and transfer the data in them to the respective queues on virtual host in RabbitMq which we created to handle the data. Furthermore, the data from these queues is transferred to our databases including PostgreSql, Elastic Search.

**Selected Accomplishments:**

* Reduced the cost of rest calls made to Salesforce and solved the problem to salesforce syncing which can take anywhere from 5 to 7 minutes by working on HyperDrive.
* Improved the efficiency of sourcing better cars for traders by providing them with enhanced internal tool called Inventory Tool. This tool has extensive features including filtering and sorting by car features, location and others.
* Increased the monthly goal of selling cars by a significant margin. This was achieved by providing required tools for account executives and account managers with information to provide to dealer partners.
* Contributed for the backend work for the new Marketplace tool which was rolled out this year to automate the process of connecting dealer to dealer for car sourcing.
* Recently took part in hackathon organized by Drivin using Amazon iot button.

**March 2014 – November 2015**

**Redmane Technology**

**Position: Software Devleoper**

Redmane technology is a Chicago based company which provides specialized Software services to corporations, government agencies and nonprofit organizations in United States and Canada.

Projects at Redmane Technology

1. **HCR and Medicaid USVI**

**Position: JAVA Developer**

**From: September 2015 – November 2015**

HCR for Medicaid and Medicare is a Health Care reform program for USVI.

**Responsibilities:**

* Lead a team of 4 bootcampers and working on BIRT to develop federal and state reports using SQL querries and Java classes.
* Created restful web services using Curam framework and Spring.
* Created, tested, debugged, documented and implemented code for the creation of various functionalities of HCR application based on the FDDs(Functional Design Document) provided.
* Wrote JUNITs to test the code.
* Did peer review for the code evaluation.
* Wrote TDDs(Technical Design Document) for the major functionalities.

1. **SNAP Arkansas**

**Position: JAVA Developer**

**From: June 2014 – August 2015**

SNAP is a Supplemental Nutrition Assitance Program for the state of Arkansas.

**Responsibilities:**

* Created, tested, debugged, documented and implemented code for creation of various aspects of this application based on the FDDs(Functional Design Document) provided.
* Wrote JUNITs to test the code.
* Did peer review for the code evaluation.
* Fixed bugs related to the application.
* Developed Disaster SNAP which is a SNAP application used during a Disaster period to provide benefits to the victims affected by a natural disaster in the state of Arkansas.
* Wrote TDDs(Technical Design Document) for the major functionalities I worked on.

1. **WorkSafeBC British Columbia**

**Position: JAVA Developer**

**From: March 2014 – May 2014**

WorkSafeBC is a Workers Compensation Case management System for the province of British Columbia, Canada. I was involved from the later stage of the project to develop analysis tools for testing and analyzing the various aspects of the major changes involved with the project. This project aimed at modernizing the then current CMS system.

**Responsibilities:**

* Created, tested, debugged and implemented automated and reusable testing tools using JAVA, XML, SQL etc.
* Documented the automated tools.
* Wrote JUNITs to test the code.
* Created a Graph modular tool which helps to find module to module mapping and number of calls made from diferent modules.
* Wrote ANT scripts – to run the analysis tools together.

**University of Wisconsin at Milwaukee**

**Position: Teaching assistant**

**January 2012 – Decemeber 2013**

Taught Introduction to Java Programming and Introduction to Web Development Technologies to undergraduate students at University of Wisconsin at Milwaukee.

**Responsibilities:**

* Held Core Java and introduction to Web Development classes and labs weekly.
* Graded Quizzes and assignments weekly.
* Held office hours weekly to help the students with their concerns and to improve their programming skills.
* Attended weekly meetings with the professors and other teaching assistants.

**University of Wisconsin at Milwaukee**

**Position: Research assistant**

**Project: Compositional Grammar for SNOMED CT Expressions**

**January 2012 – September 2012**

This project aimed at recogninzing patterns from sets of data to generate a grammer based on SNOMED CT Expressions.

**Responsibilites:**

* Wrote JAVA code to get required pattern from the data provided and storing them into files.
* Performed mapping between generated data and SNOMED CT Expressions in HL7 Version to generate the grammer using pattern matching.
* Attended weekly meetings to discuss the improvenment and work done with the professor.
* Documented project report summarizing the work and results of the research.

**Other Accomplishments:**

* **Project Title**: Compression of DNA sequences

**Description**: This project aimed to find a better running time of compressing DNA sequences by using huffman coding in C++.

**Duration**: 6 months (part of course curricular in master’s degree)

**Software**: C++, JAVA

* **Project Title**: University database system.

**Description**: This project aimed at developing a GUI for university system with information stored in database and retrieved from the GUI using SQL querries.

**Duration**: 6 months (part of course curricular in bachelor’s degree)

**Software**: JAVA, MySQL workbench 5.2, JDBC.

* Received **Chancelor Award** scholarship in January 2012 for outstanding performance in the first semester of master’s program by getting a GPA of 4.0.

Education

**University of Wisconsin at Milwaukee-** WI **Graduation: -** Dec 2013

**Master’s** Computer and Information Sciences **GPA: -** 3.2/4.0

**International Institute of Telecom Technology-** Punjab, India **Graduation**: - July 2011

**Bachelors of technology** Computer Science Engineering **GPA**: - 3.7/4.0.