

CHANDAN SWROOP  
+91-(734-739-81-87)  
chandan.swroop@gmail.com

## JOB OBJECTIVE

Scaling new heights of success and leaving a mark of excellence in assignments which involve analytical capabilities and professional growth in a career.

## AREAS OF EXPERTISE

## PROFILE SUMMARY

Java Development

Project Development &

Management

Project Management

Client Servicing

Team Management

**Over 2+years** of commendable experience in **Java Development, Project Development, Project Management and Troubleshooting.**

Skilled in:

- Working on developing the high-volume and low-latency application by using all the phases of the SDLC including System analysis, design, development, integration, testing, deployment and maintenance.
- Developing the **Web Services (SOAP/REST), MVC** and various Design Patterns in J2SE/J2EE.
- Assuring that the MVC architecture are in compliance with the application.
- Implementing the **Maven dependencies with Hibernate** which are required for the development of the application under the Spring Framework.
- Following the **project life cycle methodologies** like the Waterfall and Agile model; defined under the process framework for the development of the project.
- Implementing all the phases of the STLC which includes Test planning, Test designing, Test execution and Test closure for testing the particular application.
- Skilled in implementing efforts towards enhancement and maintenance of software application an avid researcher with extensive technical background. Followed and Implemented projects through an agile process using Scrum and waterfall methodology.
- Good communication and interpersonal skills to work as a team with developers, project managers, subject matter experts, stakeholders.

## SKILL SET

**Java Technologies**

**Web Technologies**

**Web Services**

**ORM Framework**

**Framework**

**Database Tools**

**Build Tool**

**ESB**

**Testing Tools**

**Application Server**

**Languages**

**IDE**

**Operating System**

Core Java, Advance Java, J2EE and EJB

HTML, DHTML, AJAX, JavaScript, J-Query, JSP, JMS and UML

SOAP and REST

Hibernate 5

Spring 4.5

MS-Access, MYSQL, SQL SERVER, Dev Centre, SQLYOG and HEIDI-SQL

Maven 4

Mule 3.x

Selenium Testing Suite

Tomcat, Glass-Fish, Mule Server 4.3 and Postman

C, C++, Java, Servlets, JSP, JavaScript, XML, HTML5, CSS, JSON, and SQL

Eclipse, NetBeans, Any-point Studio, Spring Tool Suite and Visual Studio.

Windows and MS DOS

## EDUCATIONAL QUALIFICATIONS

Year	Degree	Institute, University, City
2018	Master in Engineering (Software Engineer)	Chandigarh University, Gharuan, Mohali, Punjab, (INDIA)
2012	Bachelor in Technology (Computer Science and Engineer)	Kurukshetra University, Kurukshetra, Haryana, (INDIA)

## ACADEMIC ACHIEVEMENTS AND RESEARCH PROJECTS

- Enhancement of leach protocol using combinational TSP-AI to improve the lifetime of the network Implemented leach protocol and used Cluster Head's for wireless sensor networks with AI to help network finding shortest path in Traveling salesman problem by using MATLAB. This paper was published in the International Journal of Engineering and Technology (IJET) in 2018.
- Various Soft Computing Techniques for solving travelling salesman problems.
- Implemented heuristic techniques like Artificial Bee Colony, Ant colony optimization, Particle swarm optimization, Genetic algorithms to find out shortest path. This paper was published in the International conference of futuristic trends in computing and networking (ICFTCN) in 2018.
- Actively participated in programming events in Chandigarh University Punjab India.
- Participated in futuristic trends in computing and networking (ICFTCN 2018).

## CERTIFICATION

- Certification in JAVA from NIIT Mohali India.
- Certification in CCNA.

## PERSONAL PRACTICE PROJECTS

### 1. Project Name: Scientific Calculator

**Environment** JDK 1.8.0\_91, Net-beans 8.1 64-bit.

**Languages/Database** Core Java

**Project Description** A desktop-based application using J-frame and Swing. This application is mirror image of windows calculator. We can perform scientific operations like Sine, Cos, Tan and finding the value of Pi and Log etc. including basic calculator functions.

### 2. Project Name: Sport Spirit

**Environment** JDK 1.7, Net-beans 7.2 32-bit.

**Languages/Database** Java, HTML5. CSS, MS-Access Database 2010.

**Project Description** A web-based shopping site for sports items designed and developed using HTML5, CSS, Java servlets, JSP, JavaScript, Microsoft Access Database and runs of tomcat web container.

### 3. Project Name: Banking System

**Environment** JDK 1.6, Net-beans 6.8 32-bit.

**Languages/Database** Core Java, MS-Access Database 2007.

**Project Description** It's a desktop application developed in Core Java using Microsoft Access Database with ODBC connection. User can add, update, delete and view requests.

### 4. Project Name: Java Media Player

**Environment** JDK 1.6, Net-beans 6.8 32-bit.

**Languages/Database** Core Java, Java Media Framework (JMF), Java 3d.

**Project Description** It's a desktop application in which user can run any "MP3" extension file and any "AVI" extension file. When the user run this program the Menu box will open where user go and select the file and press "Ok button" after pressing it the file will play.

## PROFESSIONAL EXPERIENCE

**Itronix Solutions      Spring Java Developer      Mohali, Punjab, India      Nov 2020 – Feb 2021**

### Responsibilities:

- Worked on different E-commerce web-based projects who have same back-end like Spring-Boot but different front-end like Vue.js, Buefy, Buetify, Bootsrap etc.
- Here, we use the Nuxt JS Framework for developing these web-based applications.
- Create and develop the different templates which we further used in our project.
- Mostly, we developed the RESTful services for the project.
- Here, we use the Mysql Database and also, we used the Mongo DB.

**Environment:** Java 8, Eclipse, Hibernate, Gradle Dependencies, JSON, XML, MySQL, Buefy, Buetify, Node-Js. Vue.Js.

**Caelius Consulting Inc.      Technical Software Associates      Mohali, Punjab, India      May 2020 – July 2020**

### Responsibilities:

- Worked on configuring the Mule service flows with different exception handling techniques.
- Worked on developing SOAP and RESTful web services in MuleSoft.
- Create and develop the Maven archetype to generate fully functional web-service for both JSON and XML transform messages.
- Use the Mule connectors like Message Transformer, Choice exception with different Strategies like Batch processing etc.
- Use the database connector to connect with MySQL using Mule ESB.
- Create the M-Unit test case to validate the Mule flow.
- Create and develop the RAML api to implement the validations.
- Implement the Externalization of the flows by using the transform message.

**Environment:** Java 8, Anypoint Studio 7.5.1, Maven Dependencies, Hibernate, JSON, XML, MySQL.

**Seasia Infotech      Java Web Developer      Mohali, Punjab, India      May 2019 – Oct 2019**

### Responsibilities:

- Worked in a team of 15 members to design and develop a Cabbies web-based project in Java-8 with Spring Tool Suite 4.5 based framework using Heidi-SQL as a backend database.
- Responsible for understanding business requirements from clients, developing the workflow of an application, designing and writing the application code.
- Worked on building various modules of Spring MVC, implementing the maven-based CRUD operations with hibernate and integrated with Heidi-SQL.
- Developed a Spring MVC based web application with annotation-based configuration using Maven dependencies.
- Discussed change requests & gave demos to business/tech stakeholders.

**Environment:** Java 8, Spring Tool Suite 4.5, Heidi-SQL, Maven Dependencies, Hibernate, MySQL

**IDS Infotech      eDiscovery Database Associate      Mohali, Punjab, India      Oct 2018 – Jan 2019**

### Responsibilities:

- Processing and providing e-Discovery technical support to internal and external legal teams on the use of eDiscovery tools.
- Identify and harvest data from database servers and verifies accuracy of electronic stored data by applying inbuilt algorithms in response to requests.
- Proficiency in industry standard e-Discovery tools and systems like Nuix and Law machines.

**Environment:** Windows, Nuix and Law Machines.

**Responsibilities:**

- Responsible for creating business logic from user stories.
- Used RESTful web services moving data back and forth from server to client and client to server.
- Responsible for searching and reading different research papers from different sources.
- Worked on to find the relevant information which helps in to develop the thesis of the research paper.
- Design and develop the different flow charts and figures which helps in to explain the work of the research paper and thesis.
- Design and develop the research work on MATLAB.

**Environment:** Windows, MATLAB 2018.