


Omkar Singh

Full Stack Developer

Montreal, QC 

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Education

Programming and Internet Technologies

November 2021 – August 2023

ISI COLLEGE, MONTREAL

Bachelor of Technology in CSE

August 2014 – August 2018

LOVELY PROFESSIONAL UNIVERSITY, INDIA / 7.9 CGPA

Skills

Programming Languages	: Java, C/C++, C#, PHP, JavaScript, SQL
Scripting/Markup Languages	: HTML/HTML 5, CSS/CSS3, JavaScript, JQuery, Ajax, XML/XSLT
Databases	: MYSQL, Oracle, SQL Server
Java Technologies	: Java, J2EE, Java Web services [JAX-WS] and Restful, JDBC, JSP, Custom Tags, JSTL, Servlets
Frameworks/API's	: Spring Framework, Spring Boot, JPA, Hibernate, React, Node.js
Code Development Tools	: Eclipse, NetBeans, Visual Studio Code, Android Studio
Version Control Tools	: SVN, GitHub, Jenkins
Design Patterns	: Singleton, Factory
Web Services	: SOAP, REST
Application Server	: Tomcat, Web-logic

Work Experience

Associate Software Engineer

May 2018 – February 2020

ZYCUS I-CONTRACT, INDIA

- Developed various Java Bean components for implementing business logic.
- Utilized the Spring Web MVC framework to handle HTTP requests and responses, and develop RESTful web services.
- Applied OOPs concept and other core java concepts like multithreading/concurrency, inheritance etc. in development.
- Written complex multi-table joins queries, conditional queries, HQL, named queries and Criteria queries.
- Designed and developed Rest APIs with all the CRUD capabilities using Postman and Rested.
- Used Log4J for logging, debugging, and JUnit for testing.
- Documented API specifications and created API documentation using Swagger tools.
- Made changes to the live server and deployed files via FileZilla.
- Integrated, Build and tested using Jenkins.

- Designed, maintained and built the reusable, efficient and reliable Java code.
- Developed the service layer that acts a bridge between the presentation layer and data access layer, with spring framework.
- Implemented the Design Patterns like MVC to improve the performance.
- Assisted in maintaining and updating existing applications and modules
- Worked in an Agile (Scrum) environment.
- Implemented GIT for version control.

Projects

Course Pricing Calculator

Academic Project

- The Course Price Calculator is a web portal that allows user to book private or group lessons. It displays the estimated cost of a course based on various factors such as the course type, course duration and number of people enrolled. It has a GUI that allows admin to change the price of the course, manage payments to the faculty and administration
- **Technologies Used:** JavaScript, Node.js, React, PostgreSQL, Docker

League Manager App

Academic Project

- A League Manager App is a software application designed to help manage and organize sports leagues. The app creates and manages fixtures and standings table of the sports league. It has a GUI to input information about the league, such as the name of the league, number of teams duration of the league and any other relevant information. The app generates a fixture list for the league, which shows the schedule of games for each team throughout the season.
- **Technologies Used:** Java, Firebase, Firebase Realtime Database, Firebase authentication, XML, Android Debug Bridge

Survey Web App

Personal Project

- A survey web application is an online platform that allows users to create an online survey that include a questionnaire for the audience. It also stores the valueable feedback from the target audience.
- **Technologies Used:** Spring Boot, Spring Data JPA, REST, MySQL

Currency Exchange Web service

Personal Project

- A software component provides currency exchange functionality as a service. Designed to integrate with other software applications and systems through an API, allowing developers to incorporate currency exchange functionality into their own applications.
- **Technologies Used:** Spring Boot, Spring Cloud, Feign Client, Eureka Naming Server,