

## **Jasdev Singh**

### **CAREER OBJECTIVE:**

4+ years experienced Software Developer highly skilled in software development, testing, documentation etc. across the complete development life cycle of a product. Adept at end to end software design & development including requirement gathering, documentation, infrastructure setup, coding & unit & integration testing. Handles complex project management & coordination work very efficiently to deliver results.

### **PROFESSIONAL EXPERIENCE:**

#### **SQL Developer**

- Design databases and ensure their stability, reliability, and performance.
- Creating and implementing Database Systems based on the end user's requirement.
- Developing database schemes table and dictionaries.
- Having knowledge of writing functions, Triggers, Queries and Stored procedures.
- Joining different and multiple Tables using Inner Joins, Natural Joins, Self Joins, Right Joins, Left Joins etc and presenting the best possible output required for the company.
- Creating different Constraints like Unique Key Constraint, Primary Key Constraint, which are the set of rules applied to the specific Database Tables.
- Modifying data in Tables by INSERT, UPDATE and DELETE.
- Creating Different Views according to the requirement of the company.
- Well adaptable to challenging environments, strong work ethics, and commitment to work for achieving the client's objectives.
- Ensure the data quality and integrity in databases and Test databases and perform bug fixes.

#### **Python Developer.**

- Working with Pandas on Jupyter Notebook my major task was to absorb json, csv files and filter the data from the panda's data frame and Updating and adding new roles and columns
- Working with Numpy and with the help of OpenCv converting Images to Numpy Arrays and indexing the image according to the business requirement of the client.
- Making Web Map by using the Folium framework and adding different features to the application and displaying the output of the location of the customers living in different parts of the world.
- Doing Data Analysis and visualization using the Jupyter Notebook and creating graphs using matplotlib. pyplot feature.
- Creating the website using Flask framework and preparing different HTML templates with CSS styling.
- Building a Desktop SQL book store application using Tkinter and interconnecting the database with the SQL server within the application.
- Building and making the mobile application using the Kivy Framework.
- Processing and Image and Video with python and OpenCv framework by importing CV2. (cascade classifier)
- Interactive Data visualization using python and Bokeh and displaying constructive data required for the client.

Project: An online hotel booking engine complete with payments, customer issue resolution, partner section etc.

Backend: **Python-Flask**

Fronted: HTML & CSS

Database: MySQL

- Created the hotel booking engine from scratch using the Python/Django framework
- Worked on the development of a central reservation system to handle 10k+ bookings per day Product Development
- Spearheaded Product Development Life cycle from understanding the Business Case to Implementation
- Single handedly delivered new features for the reservation system.

Server-Side Development:

- Managed 5+ cloud-based server's master/slave design daily via Amazon EC2 and nginx
- Conducted load balancing using AWS Load Balancer and nginx to handle a constantly increasing user base
- Played a crucial role in Caching server/logic setup Redis; led to 99% customer satisfaction

Project: An e-commerce website with continuous monitoring of the integrated data into the database.

Backend: **Python-Kivy**

Fronted: HTML & CSS

Database: MySQL

- Created the e-commerce website from scratch using the Python/Kivy framework
- Worked on the website UI and monitoring the CI/CD pipeline creating replicas and writing YAML files.

Server-Side Development:

- Creating the run time environment for the images and pulling the source code from the git-hub repository and storing it in the Docker Network for Continuous Integration Process.
- Conducted load balancing using AWS Load Balancer and nginx to handle a constantly increasing user base
- Played a crucial role in Caching server/logic setup Redis; led to 99% customer satisfaction

## **EDUCATION:**

H.S.C. (Science) from C.B.S.E., New Delhi in the Year 2010.(65%-Science)

S.S.L.C. from C.B.S.E., New Delhi in the Year 2007.(75%)

Bachelor of Science in HM from IIHM kolkata in the Year(2013-2016).