**Jaipal Singh Kalra**

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#### Profile Highlights

* Having 6 Years of Experience in IT Industry with relevant experience of 3 Year and 8 Monthsas a **Python Developer.**
* Developed multiple web applications, **Rest API, Server-Side Logic** using Python Flask.
* Developed application using mix of technologies – Python, Flask, MySQL, Amazon Web Services.
* Good understanding of server-side template such as Jinja2.
* Extensive Experience in writing **SQL Queries** using MySQL Database.
* Extensively used OOP’s concept in overall design and development of the system.
* Familiarity with Python Object -Relation Mappers (ORM) like SQLAlchemy.
* Experience in Front End Technologies like HTML, CSS, Javascript and jQuery**.**
* Involved in various Software Development Life Cycle (SDLC) such as requirement gathering, modeling, analysis, design, and development.
* Experience with Deploying Application in a Cloud Environment using **Docker.**
* Experience in **Agile** **Methodologies** and Scrum Process.

#### Technical Skills

* **Languages:** Python, SQL, HTML, JavaScript, CSS
* **Framework:** Flask, Jinga2, Pytest
* **Databases:** MySQL, PostgreSQL
* **Tools and Framework:** PyCharm, Postman, Swagger UI, JIRA, Pandas, Jenkins, Docker
* **Code Versioning:** Git
* **Platforms:** Linux, Windows

#### Work Experience

**Application Development Senior Analyst,** Accenture **Aug 2017 – Current**

**Project:** Estimator

**Role:** Python Developer

* Developed microservices based web application using **Python Flask** andSQLAlchemy to Estimate the cost of all the Accenture Products.
* Developed and Designed **Rest API’s, Server-Side Logic** for Application.
* Worked on to Implement User Authentication.
* Developed Email Notification Service using Amazon SES.
* Worked on to write complex **SQL Queries** using JOINs and Sub Queries.
* Ensured Code Quality by writing unit test cases using Pytest.
* Used **Docker** to Deploy Application to Cloud Environment.
* Responsible for resolving the critical issues related to development, deployment, and production issues.
* Involved in Client Discussions for requirement gathering and designing of new feature.
* Worked on to build Custom Exception Handling.
* Involved in all Phases of Software Development Life Cycle (SDLC).
* Acted as a **reviewer** for all the code check-ins that go in.

**Project:** US Based Car Rental Organization

**Role:** Python Developer

* Developed Web Application for American Car Rental Company.
* Developed CRUD Operation using **Python Flask.**
* Developed **JSON** based Rest Services for the Application.
* Developed HTML Templates using server-side template **Jinja2.**
* Implemented changes in front end using JavaScript, HTML, CSS, and jQuery.
* Worked on to write SQL Queries using MySQL Database.
* Interacted with multiple Product Teams.
* Responsible for bug fixes.
* Experience working in onshore-offshore model.

**Application Development Analyst,** Accenture **Mar 2015 – July 2017**

**Project:** US Based Railway

**Role:** QA Engineer

* Worked as API Tester for Mobile Application.
* Wrote Python API Automation Test Cases using Pytest Framework.
* Supported for Front End Testing and AEM Testing.
* Involved in analyzing requirements and Creation of Test Scenarios and Test Cases.

**Project:** US Based Clinical Research Organization

**Role:** QA Engineer

* Worked as Quality Assurance Engineer for American Clinical Research Organization for CRM Application.
* Involved in Analyzing business and system requirements.
* Involved in Creation of Test Cases, Test Scenarios and Test Data Creation.
* Provided Support in End to End Testing, Integration Testing and Regression Testing.

#### Education

**Bachelor of Engineering** (CSE) - Visvesvaraya Technological University (VTU), India – 2014