Parveen **E-mail ID:**[parveenpython156@gmail.com](mailto:parveenpython156@gmail.com)

PYTHON DEVELOPER **Phone NO:** 8647192146

**PROFESSIONAL SUMMARY:**

* 8+ years of experience as a Web/Application Developer with a deep understanding of technology trends with expertise in the core of complex technologies. Solid experience in analysis, design, and development, testing, implementation and maintenance of various web applications using Python and Django
* Experience in application development using **PYTHON, Django, HTML5, CSS, JavaScript, jQuery, Oracle, MySQL, PostgreSQL and SQLite.**
* Experienced in working with various Python IDE's using **PyCharm, PyScripter, Spyder, PyStudio, and PyDev**.
* Hands on Experience with the implementation of Python libraries **NumPy, SciPy, PyTables, SQL Alchemy**, MatPlotLib, Pandas, Beautiful Soup and urllib in various tasks.
* Strong knowledge of Object Oriented Design and Programming concepts and Experience in Object Oriented Programming (OOP) concepts using Python, C++.
* Experienced in Working on Big Data Integration and Analytics based on **Hadoop, Spark** and No-SQL databases like **Hbase and MongoDB**.
* Hands on experience in **Agile** Methodologies, Scrum stories and sprints experience in a Python based environment.
* Experience in developing Web Services with Python programming language.
* Experience in using Design Patterns such as **MVC, Singleton** and frameworks such as **DJANGO**.
* Experience in writing Subqueries, Stored Procedures, Triggers, Cursors, and Functions on MySQL and PostgreSQL database.
* Basic knowledge on Rest API and **JSON Parsing, jQuery and Angular JS**
* Experience in **Shell Scripting, SQL Server, Unix and Linux**.
* Developed consumer-based features and applications using **Python, Django, HTML**, Behavior Driven Development (**BDD**) and pair-based programming.
* Good knowledge on front-end frameworks like CSS Bootstrap.
* Good knowledge of Apache server, Apache Server Tomcat, and Web logic.
* Experience in designing the automation framework using Shell scripting.
* Experience in writing test plans, test cases, test specifications and test coverage.
* Experience on Hadoop (HDFS), Hive QL, Impala, Apache Drill, Apache Spark, SQOOP, FLUME/Kafka.
* Experience with Version Control with **SVN, CVS, and GIT**.
* project Used Amazon Elastic Beanstalk with Amazon EC2to deploy into AWS.
* Python scripting with focus on Devops tools, CI/CD and **AWS Cloud Architecture** and hands-on Engineering.
* Experience in testing frameworks like Behave
* Wrote AJAX framework to transform Datasets and Data tables into HTTP-serializable JSON strings.
* Experience in writing Sub Queries, Stored Procedures, Triggers, Cursors, and Functions on **MySQL, PostgreSQL**, Oracle and MongoDB. Designed and Developed automation scripts using Selenium Web Driver.
* Experienced in working with different operating systems like **Windows, Ubuntu, Linux and UNIX**.
* Experience in implementing **PEP8** coding standards.
* Experienced in installing, configuring, modifying, testing and deploying applications with Apache.
* Good knowledge in CI (Continuous Integration) and CD (Continuous Deployment) methodologies with Jenkins, TeamCity, AnthillPro.
* Experience in developing big data applications using Hadoop framework and its eco systems like MapReduce.
* Designed and implemented **Hive and Pig UDF's** using Python for evaluation, filtering and storing of data.
* Developed the required **XML** Schema documents and implemented the framework for parsing XML documents.
* Developed and designed e-mail marketing campaigns using **HTML, JavaScript and CSS**.
* Excellent interpersonal and communication skills, efficient time management and organization skills, ability to handle multiple tasks and work well in a team environment.

**TECHNICAL SKILLS:**

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| --- | --- |
| **Operating Systems** | Unix, Linux, Windows and Mac |
| **Programming Languages** | Python,java,PL/SQL,java script and shell scripting |
| **Databases** | Oracle 10/11g, MySQL, SQL Server and PostgreSQL |
| **Big data Ecosystems:** | Hadoop, Hive, Scala, Cassandra |
| **Tools** | Intellij, Pycharm, FileZilla, PL/SQL Developer, and TOAD |
| **Integration Tools** | Jenkins and Web Builder |
| **Version Control** | GitHub and SVN |
| **Defect Tracking** | JIRA, Git, and VersionOne |
| **Cloud** | VPC creation, EC2 instance, S3 buckets, RDS instances, Amazon command line, cloudFront, IAM, creating security groups, managing S3 object lifecycle, creating CDN, implementing S3 security & Encryption, Route53, working with databases and DNS, Using bootstrap scripts, AWS EC2 and S3 |

**PROFESSIONAL EXPERIENCE:**

**XL CATLIN, Stamford,CT Sep 2016 - Till date**

**Python Developer**

**Description:** Responsible for the design, development and support of our proprietary text-based content processing integrating multiple data sources into one system of multi terabytes of data that support our customer-facing, highly-available web applications for search, Bigdata and machine applications that utilize reusable, testable, and efficient code. I also provided support to integration efforts between the company’s content provider’s technology environments.

**RESPONSIBILITIES:**

* Designed and developed the User Interface for the project using **HTML, CSS, JavaScript and AJAX**.   
   Developed views and templates with Django's MVT (model, view and template) to create a user-friendly website.
* Worked on MVC architecture using **PHP, Python** as controller.
* Worked on packages like socket, **REST API, Django**.
* Experience in using collections in Python for manipulating and looping through different user defined objects.
* Involved in front end and utilized **Bootstrap and Angular.js** for page design.
* Created Business Logic using Python to create Planning and Tracking functions.
* All these four micro services are deployed in Mesos cluster in AWS using Jenkins, Marathon, and Chronos.
* Involved in building database Model, APIs and Views utilizing Python, to build an interactive web-based solution.
* Did extensive work with ETL testing including Data Completeness, Data Transformation & Data Quality for various data feeds coming from source.
* Designed and created backend data access modules using **PL/SQL** stored procedures.
* Design and implemented custom Bash scripts for controlling the data flow from the PostgreSQL database.
* Wrote REST APIs, as part of developing web-based applications for insurance premium calculations, using **Django's REST framework**.
* Responsible for debugging the project monitored on **JIRA**.
* Installation, Configuration, administration of **Red Hat Linux**.
* Used Django Database **API's** to access database objects.
* Used **GitHub** for Python source code version control, Jenkins for automating the build Docker containers, and deploying in Mesos.
* Worked with Level two support team, DBAs and infrastructure team to improve the efficiency and capacity of our system.
* Utilized **PyUni**t, the Python unit test framework, for all Python applications.
* Creating unit test/regression test framework for working/new code.
* Risk analysis for potential points of failure (database, communication points and file system errors).
* Extensive use of version controlling systems like **GIT and SVN**.
* Actively worked as a part of team with managers and other staff to meet the goals of the project in the stipulated time.

**ENVIRONMENT:** Python, Django, Mesos, Jenkins, AWS, CICD, ANT, MAVEN, Flask, PHP, C++, HTML, CSS, jQuery, AJAX, XHTML, Docker, XML, GitHub, Flash, MYSQL, PL/SQL.

**DIVERSEY, Charlotte, NC Oct 2014 - Aug 2016**

**Python Developer**

**Description:** Worked on development of customer support and complains registration system for Diversey. This is a Post sales and Customer feedback and complains management system. Responsible for monitoring and supporting a great number of technical services and also responsible for monitoring and maintenance of a relational database system.

**RESPONSIBILITIES:**

* Part of team implementing REST API's in Python using micro-framework like **Flask with SQL Alchemy** in the backend for management of data center resources on which Open Stack would be deployed.
* Used python libraries like **Beautiful Soap, NumPy** and SQL Alchemy.
* Utilized standard Python modules such as csv, robot parser, iter tools and pickle for development.
* Worked on Python Open Stack APIs and used NumPy for Numerical analysis.
* Used **Ajax and jQuery** for transmitting JSON data objects between frontend and controllers.
* Implemented user interface guidelines and standards throughout the development and maintenance of the website using the **HTML, CSS, JavaScript and jQuery**.
* Designed the UI using **HTML5, Angular JS, JQuery and CSS.** At client end, I use **ANGULARJS** framework, HTML5 and CSS3 with third party libraries.
* Integration of **Maven**/**Nexus**, **Jenkins**, Urban Code Deploy with Patterns/Release, **Git**, **Jira**
* Worked on front end frameworks like **CSS Bootstrap** for responsive webpages
* Developed and tested many features for dashboard, created using **Bootstrap, CSS, and JavaScript**. Built various AWS infrastructure resources **VPC, EC2, S3, IAM, EBS**, Security Groups, Auto Scaling and RDS in JSON templates of Cloud Formation.
* Developed Wrapper in Python for instantiating multi-threaded application.
* Developed views and templates with **Python and Django's view controller** and templating language to create a user-friendly website interface.
* Preparation of Test Cases based on ETL Specification Document, Use Cases, Low Level Design document.
* Managed datasets using **Panda** data frames and **MySQL**, queried MYSQL database queries from python using **Python-MySQL** connector and **MYSQL DB** package to retrieve information.
* Developed various algorithms for generating several data patterns.
* Used **JIRA** for bug tracking and issue tracking.
* Added several options to the application to choose algorithm for data and address generation.
* Developed and designed automation framework using Python and Shell scripting.
* Developed the project in Linux environment.
* Used **Agile** Methodology and **SCRUM** Process. Experience in MongoDB (No SQL), Oracle and MS SQL server DB Tasks (DML and user management etc.) and Managed and optimize the Continuous Delivery tools like **Jenkins**.
* Maintained the versions using **GIT** and sending the release notes for each release
* Designed the UI using HTML5, Angular JS, JQuery and CSS.

**ENVIRONMENT:** Python, Django, HTML5, CSS, XML, MySQL,ANGULAR JS JavaScript,Jenkins,AWS,CICD, jQuery, CSS, Bootstrap, MongoDB, MS SQL Server, JavaScript, Eclipse, Git, GitHub, Linux, Shell Scripting

**UNIDEV (Unified Development, Inc.), St. Louis, MO Jan 2013 - Sep 2014**

**Python Developer**

**Description:** Responsible for managing the interchange of data between the server and the users. primary focus is the development of all server-side logic, ensuring high performance and responsiveness to requests from the front-end and responsible for integrating the front-end elements built by our co-workers into the application.

**RESPONSIBILITIES:**

* Involved in analysis, specification, design, and implementation and testing phases of Software Development Life Cycle **(SDLC)** and used Agile methodology for developing application.
* Upgraded existing UI with **HTML, CSS, jQuery and Bootstrap**.
* Designed and developed, **Use-Case** Class and Object Diagrams using **UML** Rational Rose for Object Oriented Analysis/Object Oriented Design techniques.
* Designed and developed data management system using **MySQL**. Built application logic using Python 2.6.
* Used **Django APIs** for database access.
* Developed RESTful services using **Django**.
* Designed and developed communication between client and server using Secured Web services.
* Developed and tested many features for dashboard using **Python, Java, Bootstrap, CSS, JavaScript and jQuery**.
* Designed and developed data management system using **MySQL**. Involved in Agile Methodologies and **SCRUM** Process.
* Participated in the complete **SDLC** process.
* Create and enhanced existing automated solutions.
* Parse **JSON and XML** data using Python.
* Responsible for debugging and troubleshooting the web application.
* Experienced in writing **indexes, views, constraints, stored procedures, triggers**, cursors and user defined functions or subroutines in **MySQL**.
* Utilized Subversion control tool to coordinate team work.
* Used Selenium Libraries to write fully functioning test automation process.

**ENVIRONMENT:** Python, HTML, CSS, Bootstrap, OOP, MYSQL, Java, JavaScript, jQuery, Rational Rose, Django, Xml, JSON, SDLC, Agile and SCRUM methodologies.

**Creative Global Solutions, India Nov 2011 - Dec 2012   
Sql Developer**

**RESPONSIBILITIES:**

* Used various Transformations like Aggregator, Router, Expression, Source Qualifier, **Filter, Lookup, Joiner, Sorter, XML** Source qualifier, Stored Procedure and Update Strategy.
* Created AD-Hoc reports using Report Builder and maintained Report Manager for SSRS.
* Created number of standard reports and complex reports to analyze data using Slice & Dice and Drill Down, Drill through using **SSRS**.
* Extracting, Transforming and Loading (ETL) data from **Flat File, Raw File, XML** and any **OLE DB** Data Source to Excel, Flat File, Raw File, any OLE DB or **MS SQL Server** Destinations by using **SSIS services**.
* Created stored procedures to build the Fact tables in the data mart for Multi-Dimensional analysis using **(SSAS)** and produced ad-hoc, standard and super user reports using **SSRS**.
* Migrated data from various sources including flat files, **MS Access**, to **MSSQL Server 2005** and vice-versa using **ETL**.
* Worked on installation, configuration, development, maintenance, administration and upgrade.
* Generated **Pie chart** and **Bar graphs** for the exported data to represent graphical analysis.
* Created Entity Relationship (**ER**) Diagrams to the proposed database.
* Maintain referential integrity, Domain integrity and column integrity by using the available options such as constraints
* Imported Different Datasets from **MS ACCESS** to **SQL SERVER** for Analysis Process.
* Developed and deployed packages in **SSIS**, imported data on daily basis from the **OLTP** system, Staging area to Data Warehouse and **Data Marts**.
* Created and implemented Cubes and designed attribute relationships for optimal performance of Hierarchies and Fact Dimensions.
* Worked closely with .Net developer to create and to write Procedure using **T-SQL** and **PL/SQL**.

**ENVIRONMENT:** SQL server, Linux Environment, Ubuntu Operating System, SQL queries (Complex Joins, Sub Queries), SSIS, SSAS, SSRS, ER-diagrams, Dash Boards.

**Max Health Care, India Aug 2009 - Oct 2011  
Java/J2EE Developer**

**RESPONSIBILITIES:**

* Developed the J2EE application based on the Service Oriented Architecture by employing **SOAP** and other tools for data exchanges and updates.
* Developed the functionalities using **Agile** Methodology.
* Used **Apache Maven** for project management and building the application.
* Worked in all the modules of the application which involved front-end presentation logic developed using **Spring MVC**, **JSP**, **JSTL** and **JavaScript**, Business objects developed using **POJOs** and data access layer using **Hibernate** framework.
* Used JAX-RS (**REST)** for producing web services and involved in writing programs to consume the web services with **Apache CXF** framework.
* Used **Restful API** and **SOAP** web services for internal and external consumption.
* Used **Spring ORM** module for integration with Hibernate for persistence layer.
* Involved in writing Hibernate Query Language (**HQL**) for persistence layer.
* Used Spring **MVC**, Spring **AOP**, Spring **IOC**, Spring Transaction and Oracle to create Club Systems Component.
* Wrote backend jobs based on Core **Java**& **Oracle** Data Base to be run daily/weekly.
* Coding the core modules of the application compliant with the **Java/J2EE** coding standards and **Design Patterns**.
* Written **Java Script, HTML, CSS, Servlets, and JSP** for designing **GUI** of the application.
* Worked on **Service-side** and **Middle-tier** technologies, extracting catching strategies/solutions.
* Design data access layer using Data Access Layer J2EE patterns. Implementing the **MVC** architecture **Struts** Framework for handling databases across multiple locations and display information in presentation layer.
* Used **XPath** for parsing the **XML** elements as part of business logic processing.

**ENVIRONMENT:** Java, JSP, HTML, CSS, Ubuntu Operating System, JavaScript, AJAX, Servlets, Struts, Hibernate, EJB (Session Beans), Log4J, WebSphere, UML, JNDI, Oracle, Windows XP, LINUX, ANT, Eclipse.

Certification : **Certified as Solutions Architect-Associate**

