**Bhuvaneswari .R E-Mail:** [bsrpythondev@gmail.com](mailto:bsrpythondev@gmail.com)

**Python Developer**  **Phone:** 510-256-7056

**PROFESSIONAL SUMMARY**

* Almost Five years of experience in Analysis, Design, Development, Testing, Bug fixes, Enhancement, Support and Implementation of web, stand-alone, client-server enterprise applications using Pythonin various domains.
* Experienced with Object Oriented Programming, Software Development Life Cycle, Database designs, Agile methodologies, coding and testing of enterprise applications.
* Good Understanding of object-oriented programming (OOP) concepts using Python.
* Experience inLinux, Apache, MySQL, and Python and WindowsArchitecture.
* Experienced in writing Sub Queries, Stored Procedures, Triggers, functions on SQL, MySQL databases.
* Experience in using different Python libraries like Pandas, Numpy, pymssql, matplotlib etc.
* Good experience in working with various Python Integrated Development Environments like PyCharm, PyScripter, Spyder, PyStudio, PyDev and automation testing tools like PyUnit and Selenium.
* Experienced in Python's modules pandas, numpy, matplotlib, etc. for generating complex graphical data, creation of histograms etc.
* Experience in developing web-based applications using Python 2.7/2.6, Django 1.4/1.3, HTML/HTML5, CSS/CSS3, JavaScript, and JSON.
* Familiar and Worked on various Operating Systems like Mac, Windows, UNIX, and Linux.
* Knowledge of Servers, Apache Tomcat.
* Exceptionally solid background in composing API's along with Web Services over Python.
* Good in Unit testing/ Test-driven Development (TDD), Load Testing and Integration Testing.
* Experienced in using SVNand GIT.
* Expertise in practicing the SDLC models, Agile methods with Scrum.
* Involved in database-driven web application development using a variety of frameworks such as Django on Python.
* Experience in using UNIX shell Scripts for automating batch programs.
* Goodat using JSON based REST Web services.
* Performed code reviews and implemented best Pythonic programming practices
* Excellent Interpersonal and communication skills, efficient time management and organization skills, ability to handle multiple tasks and work well in a team environment.
* Ability to work on own initiative and as a part of team. Willingness to learn new technologies, openness to new ideas and ability to learn very quickly.

**TECHNICAL SKILLS**

**Operating Systems** : Mac, Windows, Unix, and Linux

**Web technologies :** HTML5,CSS/CSS3, JSON, JavaScript, JQuery, XML.

**Languages :** Python , Java, C,SQL, Shell Scripting.

**Databases** : MYSQL, MS SQL, SQLite 3, MS SQL Server

**Frameworks** **:** Django, Flask REST, Pyramid, and CSS Bootstrap.

**Development Tools** **:** Sublime Text, Jet Brains Pycharm, Eclipse, Python & Django PluginPydev

**Methodologies :** Agile, Waterfall, Hybrid (waterfall, Agile)

**Configuration Management:** GIT, GITHUB, SVN

**PROFESSIONAL EXPERIENCE**

**Client: Risk Climate,Kalamazoo, MI**

**Role: Python Developer Jan'19-Present**

**Responsibilities:**

* Involved in MVP software development (using Python 3.7) related to Enterprise Risk Management (ERM), strategic visualization and virtual analytics, powdered by Artificial Intelligence and Machine Learning
* Designing, developing and testing the ERM software using AGILE methodology
* Current professional development includes Bayesian probability theory and neural networks
* Exposure to related languages includes NumPy, Pandas, BayesianPy, Tkinter.
* DevelopingPython Script for moving files from Dropbox to Amazon server.
* Writing Python Scripts for loading data from CSV files into the database tables.
* Currently working with version control systems such as Git and SVN for maintaining a consistent state throughout the application development process.
* Involved in database-driven web application development using a variety of frameworks such as Django on Python.
* Developing UI for handling different phases of exceptions for the data in SQL Server database and fix them.
* Following the best practice of Python such as PEP-8.
* Developing Python scripts to execute Stored Procedures and load data from various forms of csv files into staging tables in SQL Server database.
* Involved in back end development using Python with framework Flask
* Developing internal project in Flask to generate report from google analytics on daily, monthly and weekly basis.

**Environment**: Python 3.7, Django 2.0, Agile, Flask, HTTP, JSON, HTML, CSS, Pandas, GITHUB, Microsoft SQL Server, Jupyter.

**Client: US Bank,Minneapolis, MN**

**Role: Python Developer June'18-Jan’19**

**Responsibilities:**

* Designed front end and backend of the application using Python on Django Web Framework
* Used HTML, CSS, JSON designed and developed the user interface of the website.
* Developed views and templates to create a user-friendly Website interface.
* Utilized Python libraries with Python, NumPy, Pandas and matplotlib.
* Used Git to keep track of multiple issues and easily switch from one task to other.
* AGILE (SCRUM) practices and planning of sprint attending daily agile (SCRUM) meetings and SPRINT retrospective meetings to produce quality deliverables within time.
* Developed Job dashboard monitor UI using Django/Flask.
* Automated JIRA processes using Python scripts.
* Design and configure database, back end applications and programs. Managed large datasets using Pandas dataframes and SQL.
* Involved in maintaining python scripts using automated testing.
* Experience working with version control systems such as Git and Apache SVN for maintaining a consistent state throughout the application development process.
* Involved in database-driven web application development using a variety of frameworks such as Django on Python.

**Environment**: Python 2.6, Python, Django, REST, HTTP, Bootstrap, JSON, HTML, CSS, Pandas,Bugzilla, SVN, Amazon Web Services (AWS)(basic).

**Client: Admission Transit System, Kalamazoo, MI.**

**Role: Python Developer July'17- June'18**

**Responsibilities:**

* Designed, and developed minimal viable product (MVP), using Python 3.7
* Designed, and created MySQL, SQLite 3 database(s) for MVP to store, retrieve, and modify the data
* Created calendar, which allows users to create, modify, and delete event(s), where the events are

stored in MySQL database

* Building a cross platform software using Python that merges workflow visualization and virtual

analytics

* Developing REST API, which pulls out and pushes data from/into Salesforce CRM
* Contributed throughout all (completed) phases of software development to produce high quality, user

friendly, bug free software

* Involved in the design, development, and testing phases of application using AGILE methodology.
* Used Test driven approach for developing the application and Implemented the unit tests using Python Unit test framework.
* Involved in the design and maintenance of the databases using Python and Python based API using Flask.
* Return test cases using Pyunit and Selenium automation testing for better manipulation of test scripts.
* Involved in writing application level code to interact with APIs, Web Services using JSON.
* Placed data into JSON files using Python to test websites.
* Involved in presenting demos to the clients and also reporting the daily and weekly status to the Project manager.

**Environment**: Python3.5, REST Web services, CSS, JSON, HTML, CSS, SQL, Agile, SVN, MySQL, GitHub, Linux.

**Client: Magma Fincorp Limited., Hyderabad, India.**

**Role: Python Developer June’12-June’14**

**Responsibilities:**

* Generated property list for every application dynamically using Python.
* Used Subversion version control tool to coordinate team-development.
* Responsible for debugging and troubleshooting the web application.
* Designed and developed database management system using MS SQL.
* Rewrite existing Java, C++ application in Python.
* Experience in Agile Methodologies and SCRUM Process.
* Involved in entire lifecycle of the projects including Design, Development, Testing

and Implementation and support.

* Creating unit test/regression test framework for working/new code.
* Wrote SQL, MS SQL queries for implementing functions, triggers, and tables.
* Used GIT version control tool to coordinate team-development.
* Involved in maintain, testing and editing python scripts using automated testing
* Handling the day to day issues and fine tuning the applications for enhanced performance.

**Environment**: Python2.7, REST Web services, C++, HTML5, CSS3, Bootstrap, JavaScript, GitHub, Flash, SQLite 3, MYSQL, MS SQL, Oracle and Windows, Linux.

**EDUCATION**

Bachelors of Technology Information Technology - JNTU University, India.

Master’s in Computer Science- Western Michigan University,Michigan.