Ram Rahul

Email: [swathi.tekgence@gmail.com](mailto:swathi.tekgence@gmail.com) | Ph: +1-(469)-320-9562

# Summary:

* 4+ years of experience as **Python/Django developer**.
* Application designing skills using **Python, Java, C++, HTML, XML, Angular JS, CSS, DHTML, JavaScript, JSON and JQuery.**
* Good experience in developing web applications and implementing **Model View Control (MVC)** architecture using server side applications like **Django**, **Flask** and **Pyramid**.
* Complete Knowledge on **SDLC models, Agile (scrum).**
* **Analyzing** and **designing** the applications,
* **Writing and reviewing requirements**, architecture documents, test plans, **design documents**, quality analysis.
* Created most important Business Rules which are useful for the scope of project and **needs of customers.**
* Designed the **architecture** of the hardware environments and methodology of the code
* Python programming on **Handling warnings, Exception handling, Concrete exceptions,binary data services.**
* Accessing the files and directory, **Data persistence**, achieving and data compression.
* Handling file formats such as **CSV, ZIP, HTML, JPEG** and downloading files from web.
* **Internet access** through python, **sending mail** through python, **Opening web browser** from python, downloading documentation files, images through python.
* **Internet protocols** and support through python, **Multimedia services**.
* Programming frame works such as **turtle graphics** and cmd.
* Maintained program **libraries**, users' manuals and **technical documentation.**
* Extensive experience in developing web applications implementing Model View Control architecture using **Django, Flask, Pyramid** python web application frameworks.
* Worked on different python IDE’s: **PyCharm, Sublime, Spyder** and good knowledge on various another IDE’s.
* Experience on front end frame works like **CSS Bootstrap.**
* Hands-on experience in deploying of applications in web services with protocols **SOAP, REST.**
* Good experience of software development in Python (libraries used: libraries- **Beautiful Soup, numpy, scipy, matplotlib, python-twitter, Pandas data frame, network, urllib2, MySQL db**.
* Built various graphs for business decision-making using **Python matplotlib library**.
* Fetched twitter feeds for certain important keyword using **python-twitter library**.
* Setting up python **REST API** Frame work using Django.
* Experienced in writing programs which require use of **Machine learning concepts** such as **Classification algorithms (Naïve-Bayes, CART Decision)** and **Clustering algorithms (Hierarchical clustering, K-Means).**
* Experience in using various version control systems like **CVS, Git, GitHub**
* Expertise with **automated testing tool** such as **Selenium testing**.
* Extensive work experience on **Black Box Testing, Functional Testing, Integration testing and System testing and Automation testing.**
* Developed automation frameworks using **selenium web driver**.
* Experience in using open source ticketing tools like **Spice works, Freshdesk**.
* Good knowledge about **JIRA service desk, JIRA integration.**
* BMC **Remedy** service desk.
* Designed and implemented large scale business critical systems using **Object Oriented Design** and Programming concepts using**Python/Django**.
* Experience in Assisting and monitoring the business strategies and requirements of the company.
* Experienced in **installing, configuring, modifying, testing and deploying**.
* Hands-on experience in building web and enterprise applications in various domains like **Health**, **Banking/Financial Services**, **Insurance**, **Public Sector**, and **Software Service verticals**.
* Good experience in **handling errors/exceptions** and **debugging** the issues in large scale applications.

# Technical Skills:

* **Programming Languages:** Python, JavaScript, C++, SQL and PL/SQL.
* **Web Technologies:** HTML, CSS, SAX, Java Script, JQuery, AJAX, XML, AngularJS.
* **Frameworks:** Django, Flask, PyJamas, Jython, CSS Bootstrap
* **Application servers:** Apache Tomcat, WebLogic, WebSphere.
* **Deployment Tools:** Heroku.
* **Testing Tools:** Selenium.
* **IDE’s/ Development Tools:** NetBeans, Eclipse, PyCharm, PyScripter, PyStudio, and Sublime Text.
* **Analytic Tools:** SAS, NodeXL.
* **Databases:** Oracle, My SQL, MongoDB
* **Version Control:** CVS, Git, GitHub.
* **Protocols:** TCP/IP, HTTP/HTTPS, SOAP, SMTP
* **Operating Systems:** Windows, Ubuntu, Unix.

# Experience

**Role: Python Developer**

**Client: Apex Tools Group, NC SEP 2016 to PRESENT**

**Responsibilities:**

* Design and development of user interfaces and client displays using **Java Script**, **JSP**, CSS and troubleshoot various issues in **Python code** and fix them with code enhancements- code used various python libraries such as **PyJamas** and **Jython**.
* Converted **Visual Basic Application to Python**, **MySQL** also used HTML/CSS and JavaScript for UI development.
* Created data access using **SQL** and **PL/SQL stored procedures**.
* Worked extensively on **Multithreading** and **Concurrency** for implementing Batch and Python.
* Used **HTML**, **CSS 5**, **Bootstrap**, font awesome, **JSON** and JavaScript for **front end applications**.
* Used Linux **profiler Valgrind** for optimization of code.
* Worked on validating the code and developed SQL queries.
* Implemented the **presentation layer** with HTML, **DHTML**, **Ajax**, CSS and JavaScript.
* Developed in Windows and going to deploy it in Linux server.
* Implementing the existing Spring **MVC based application** to work with both **vSphere** and **Openstack** simultaneously.
* Worked on data exchange from website using **XML**, and **Web Services**.
* Used **python scripts** to update content in the database and manipulate files.
* Generated **Python Django Forms** to record data of online users.

**Role: Python Developer**

**Client: Hanesbrands Inc., Winston-Salem, NC. JAN 2016 to AUG 2016**

**Responsibilities:**

* Taken part in **software development life cycle (SDLC)** of the tracking systems Requirements, gathering, Analysis, Design, System Testing and User Acceptance Testing.
* Created UI using **HTML, CSS, JavaScript, AJAX, JSON, and JQuery.**
* Implemented business logic using **Python Web frame work Django.**
* Designed applications implementing **MVC architecture in Pyramid, Zope** frame works.
* Actively involved in developing the methods for **Create**, **Read**, **Update** and **Delete (CRUD)** in Active Record.
* Designing mobile search application system requirements and **coded back-end** and **front-end** in Python.
* Worked on **CSS Bootstrap** to develop web applications.
* Analysis and Design of application.
* Implemented **Model View Control architecture** in developing web applications using **Django frame work.**
* Created backend database **T-SQL stored procedures** and **Jasper Reports.**
* Worked with millions of database records daily, finding common **errors** and bad **data patterns** and fixing them.
* Handling data between different data sources using **SQL Server Management Studio**.
* Maintained program libraries, users' manuals and technical documentation.
* Managed large datasets using **Panda data frames** and **MySQL**.
* Wrote and executed various MYSQL database queries from python using **Python-MySQL** connector and **MySQL dB package**.
* Carried out various **mathematical operations** for calculation purpose using python libraries.
* Built various graphs for business decision making using **Python matplotlib library**.
* Fetched twitter feeds for certain important keyword using python-twitter library.
* Used Python Library **Beautiful Soup** for **webScrapping.ss**.
* Developed applications especially in **UNIX environment** and familiar with all its commands.
* Deployed the project into **Heroku** using **GIT version control system**.
* Performed **troubleshooting,fixed** and deployed many **Python bug fixes** of the two main applications that were a main source of data for both customers and internal customer service team.
* Implement code in Python to retrieve and **manipulate data**.
* Experience in using modules like**requests**, **urllib**, **urllib 2** for **web crawling**.

**Role: Python Developer Jan 2015 to Dec 2015**

**Client: IBM, Austin**

**Responsibilities:**

* **Kernal-based Virtual Machine (KVM)**using libvirt and python.
* To build several utility applications and add **graphical user interface (GUI)** into the mix.
* Using wx. Python basics like **wx.Frame**, **wx.Dialog**, **wx.popupwindow**, **wx.MDIParentFrame** and **wx.MDIChildFrame**.
* Used **wx.Python** widget inspection tool, add a GUI to a **Command-line tool**.
* **Control flow based** on a user action like a simple app with a button and static text, enhanced and monitored GUI.
* Starting and Stopping checked **VMS**.
* Code style and **linting**, **PEP 8**.
* Using Libraries from python package index **Pyflakes**, **Pylint**, **PEP8**.
* Documentation for quality and **craftsmanship** of the project based on the quality and **extensiveness**.
* Using tools such as **Sphinx**.
* Maintaining through **Python Package Index (PyPI**), report bugs, request features.
* Using distributed **version control system (DVCS)** like **GIT**.
* Releasing frequent developer packages, can make maintenance much easier.
* Conducting tests using concept **regression testing**, **Test case prioritization**, **Dev builds**.
* Support with maintenance, increasing overall cooperation factor, enabling better scalability in project size.
* **IRC**, **mailing list** and Twitter as source for interacting.

**Role: Python developer**

**client: Onward technologies ltd., Mumbai, India JAN 2013 to DEC 2014**

**Responsibilities:**

* Work with team of developers on python applications for **RISK management**.
* Design, develop, deploy and maintain the website.
* Designed and developed the UI of the website using **HTML**, **AJAX**, **CSS** and **JavaScript**
* Written python scripts to parse **XML documents** and load the data in database.
* Handled all the client side validation using **JavaScript**.
* Responsible for **debugging** and **troubleshooting** the web application.
* Developed views and templates with python and **Django's view controller** and **template language** to create a user-friendly **website interface**.
* Environment: Linux, Windows XP.
* Python, Django1.3, MySQL,
* HTML, XHTML, SVN, CSS, AJAX, JavaScript, Apache Web Server.

**Role: Python Developer**

**Client: Symbiosis, Visakhapatnam, INDIA JAN 2011 to DEC 2012**

**Responsibilities:**

* Gathering requirements and analyzing the information of the project from documents, evaluating **business requirements**.
* Developed Python/Django scripts for **Google Analytics aggregation** and reporting.
* Used **Django configuration** to manage **URLs** and application parameters.
* Worked on **Python Open stack API's**.
* Used **Python scripts** to update content in the databases and files using libraries like **PETL**.
* From python package index, generating scripts to store data for online users.
* Using**Pandas API’s** to put the data as **time series/tabular format**.
* Using **Amazon AWS** and **RDS** to host **static/media files** and files from databases into **Amazon Cloud**.
* Used **Pandas** and **Quandy library** for **statistical Analysis**.
* Developed scripts using **Python 3.0+,2.0+**, **power shell**, **XML** for automation tasks.
* Using Django configuration to manage **URLs** and **applications**.
* Written and executed queries from various databases for Python, using **Python-MySQL connector** and **MySQL db package** from **python package index**.
* As a part of development of **Web Services**, using **SOAP** for transfer and receiving data from the **external interface**.
* Using **ArcPY**as **trouble shooter** for python scripts in **windows/linux**.
* Debugging the project monitored on **JIRA (Agile)-Atlassian documentation**.
* Environment: Amazon AWS, MySQL, HTML, Python 2.0, Django 1.4, HTML5, CSS, XML, MySQL, JavaScript, AWS, Linux, Shell Scripting, AJAX.