**TEJA**

**Sr.Python Developer**

**Professional Summary:**

* 7 years of experience in Web/Application Development in analytical programming using python with skills in analysis, design, development, testing and deploying software applications.
* Good experience using various python libraries to speed up development (libraries used: Beautiful Soup, NumPy, SciPy, Matplotlib, python-twitter, Pandas data frame, network, urllib2, MySQL dB for database connectivity, JSON libraries).
* Involved in Developing a Restful service using python Flask framework.
* Made Django web based apps for Insurance premium calculations.
* Developed entire frontend and back-end modules using python on Django Web Framework with GIT.
* Successfully Migrated the Django database from SQLite to MySQL to PostgreSQL with complete data integrity.
* Experience in Installing, upgrading and configuring RedHat Linux4.x, 5.x, 6.x and 7.x using Kickstart Servers.
* Experienced in implementing Puppet, Chef. Worked on Data-Center operation and migration across UNIX and Linux platforms.
* Experience in Creation and managing user accounts, security, rights, disk space and process monitoring in Solaris and Red hat Linux.
* Experienced in implementing and maintaining an Apache Tomcat /MySQL/PHP, LDAP, LAMP web service environment.
* Experienced in migrate an On-premises VM or Azure Classic VM to Azure ARM Subscription with Azure Site Recovery.
* Hands on experience in configuring and supporting site-to-site and remote access Cisco, IPSec, VPN solutions using ASA/PIX firewalls, Cisco and VPN client.
* Experience in Multi-Tier distributed Enterprise applications.
* Extensive experience in system analysis, design, development and implementation of web based and client/server application using HTML, Angular JS, Bootstrap, underscore JS, Node JS, CSS, JavaScript, AJAX, JSP, JDBC, XML, XSLT,Python, Django, PHP.
* Working knowledge in multi-tiered distributed environment, OOAD concepts, good understanding of Software Development Lifecycle (SDLC).
* Developed Java/J2ee applications using Hibernate, XML, Android, XSLT, and Basic ASP.net applications including using Core Java concepts like OOPS, Multithreading, Garbage Collections, and Collection etc.
* Experience in Implementation of MVC/ MVW architecture using Servlet, Django, and RESTful, SOAP web service and SOAPUI.
* Experienced in installing, configuring, modifying, testing and deploying applications with Apache, Tomcat and Web Sphere.
* Extensively followed development methodologies such as Agile (SCRUM), Water Fall.
* Excellent Experience of Databases such as MySQL, Oracle 8g/9g/10g, Microsoft SQL Server, PostgreSQL, SQL/PLSQL concepts.
* Good Knowledge of using IDE Tools like Eclipse, NetBeans, Android Studio, Visual Studio, IDLE.
* Experience on Ruby Reg-Ex for pattern and Text matching.
* Good command on full life cycle application development.
* Designed and developed video and blogging website on PHP using Word Press on wamp server using MySQL database.
* Experience with continuous integration and automation using Jenkins.
* Developed ColdFusion Components, custom tags and modified CF Objects.
* Experience with Unit testing/ Test driven Development (TDD), Load Testing in JIRA, JENKIN.
* Wrote AJAX framework to transform Datasets and Data tables into HTTP-serializable JSON strings.

**Technical Skills:**

* Programming Languages C++, Java, python, C#, PHP.
* Scripting Languages Shell Script, python, R, MATLAB.
* Databases MySQL, Oracle, Mongo DB, PostgreSQL, Redis.
* Operating Systems: Windows 8 & 10, GNU/LINUX, MAC O/S.Tools & Servers: R-Studio, MATLAB, Jenkins, Maven, Web Sphere, Tomcat.
* ETL: Map Reduce, Hadoop, Mahout.
* Machine Learning Libraries Theano, Scikit- learns, Numpy, Scipy, Matplotlib, Pandas, XGBoost, and NLP.
* Cloud Management Amazon Web Services.
* SDLC Agile, Waterfall, Scrum.
* Network TCP/IP, HTTPS/HTTP.
* IDEs Eclipse, PyCharm, Spyder, Sublime, Net beans.
* Versioning Tools Subversion, GIT, Perforce, SVN, CVS.

**Work Experience:**

**Client**: **Caterpillar, Mossville, IL March 2015 -Till Date**

**Role: Senior Python Developer**

**Responsibilities:**

* Used Django Database API's to access database objects.
* Used Query and Ajax calls for transmitting JSON data objects between frontend and controllers.
* Involved in building database Model, APIs and Views utilizing python, in order to build an interactive web  
  based solution.
* Used python based GUI components for the front end functionality such as selection criteria.
* Created test harness to enable comprehensive testing utilizing python.
* Used Amazon Web Services (AWS) for improved efficiency of storage and fast access
* Added support for Amazon AWS S3 and RDS to host static/media files and the database into Amazon Cloud.
* Involved in front end and utilized Bootstrap and Angular.js for page design.
* Created Data tables utilizing PyQt to display customer and policy information and add, delete, update  
  customer records.
* Used PyQuery for selecting particular DOM elements when parsing HTML.
* Used Wireshark, live http headers, and Fiddler debugging proxy to debug the Flash object and help the developer create a functional component.
* Used Pandas API to put the data as time series and tabular format for east timestamp data manipulationand retrieval.
* Having very good experience with BIG DATA.
* Created Business Logic using pythonto create Planning and Tracking functions.
* Created UI Screens for initiation and validation.
* Worked on UI using HTML5, CSS3 and Java Scripts.
* Developed multi-threaded standalone app in pythonand PHP to view performance.
* Used Pandas library for statistical Analysis.
* Developed tools using python, Shell scripting, XML to automate some of the menial tasks
* Working in team of Architects and Developers to build and deploy python Flask Peewee Linux AWS.
* Version control using GITHub.
* Involved in writing stored procedures using MySQL.
* Interfacing with supervisors, artists, systems administrators and production to ensure production deadlines are met.
* Responsible for gathering requirements, system analysis, design, development, testing and deployment.
* Developed tools using python, Shell scripting, XML to automate some of the menial tasks. Interfacing with supervisors, artists, systems administrators and production to ensure production deadlines are met.
* Developed Business Logic using pythonon Django Web Framework.
* Developed views and templates with pythonand Django's view controller and templating language to create.

**Environment: Python3.x, Django, Shell Scripting, AWS, Pandas, PyQt, PyQuery, Wire shark, Flash, DOM, JSON, PHP, HTML5, CSS3, AJAX, JavaScript, Angular.js, Bootstrap, Apache Web Server, MYSQL, GitHub, LINUX.**

**Client: Hertz, Orlando FL. March 2013 - Feb 2015**

**Role: Senior Python Developer**

**Responsibilities:**

* Developed views and templates with python3.6.1 and Django's view controller and templating language to create a user-friendly website interface.
* Used Amazon Web Services (AWS) for improved efficiency of storage and fast access.
* Added support for Amazon AWS S3 and RDS to host static/media files and the database into Amazon Cloud.
* Participated in the complete SDLC process and used PHP to develop website functionality.
* Designed and developed the UI of the website using HTML, XHTML, AJAX, CSS, BIG DATA and JavaScript.
* Developed entire frontend and backend modules using pythonon Django Web Framework.
* 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.
* Used Django APIs for database access.
* Provided GUI utilizing PyQt for the end user to create, modify and view reports based on client data.
* Angular.js is used to build efficient backend for client web application.
* Used pythonto extract information from XML files.
* Expertise in Service Oriented Architecture (SOA) and its related technologies like Web Services, BPEL, WSDLs, SOAP, XML, XSD, XSLT etc.
* Participated in requirement gathering and worked closely with the architect in designing and modeling.
* Worked on development of SQL and stored procedures on MYSQL.
* Developed shopping cart for Library and integrated web services to access the payment (E-commerce).
* Designed and developed a horizontally scalable APIs using pythonFlask.
* Designed Cassandra schema for the APIs.
* Implemented monitoring and established best practices around using elastic search.
* Effectively communicated with the external vendors to resolve queries.
* Used GIT for the version control.

**Environment: Python, JavaScript, Django Framework, CSS, SQL, MySQL, LAMP, JQuery, Apache web server.**

**Client**: **Four Soft Ltd,Hyderabad, India** **March 2012 – Dec 2012**

**Role: Senior Python Developer**

**Responsibilities:**

* Used Pythonand Django to interface with the jQuery UI and manage the storage and deletion of content.
* Worked extensively with Bootstrap, Java script, and query to optimize the user experience.
* Handled all the client side validation using JavaScript.
* Created a custom CMS built using Django, AWS (Amazon web service), REST, Json with JavaScript, JQuery, AJAX components, worked closely with designer. Converted Photoshop images into XHTML/CSS.
* Rewrite existingPython/Django modules to deliver certain format of data
* Used Django Database API's to access database objects.
* Wrote pythonscripts to parse XML documents and load the data in database.
* Designed and developed data management system using MySQL.
* Used AWstat and Google Analytics to analyze web traffic.
* Designed and developed the UI of the website using HTML, AJAX, CSS and JavaScript.
* Created scripts for system administration and AWS using languages such as BASH and Python.
* Design, develop, test, deploy and maintain the website.
* Used Selenium Library to write fully functioning test automation process that allowed the simulation of submitting different we requests from multiple browser to web application.
* Involved in development of Web Services using SOAP for sending and getting data from the external interface in the XML format.
* Participated in entire lifecycle of the projects including Design, Development, and Deployment, Testing and Implementation and support.
* Participated in the complete SDLC process.
* Responsible for debugging the project monitored on JIRA (Agile).
* Used JQuery for all client side Java script manipulation.
* Scalable, database-driven web application development using a variety of frameworks: ASP.NET on C#, Flask on Python, and PHP.
* Created unit test/regression test framework for working/new code.
* Implemented multiple high performance MongoDB replica sets on EC2 with robust reliability.
* Developed entire frontend and backend modules usingPythonon Django Web Framework.
* Responsible for debugging and troubleshooting the web application.

**Environment:Python2.7 and 3.4, Django, HTML5/CSS, MS SQL Server 2013, MySQL, Java script, Eclipse, Linux, Shell Scripting, JQuery, GitHub, Angular.JS, Jira.**

**Client: Nihar Info Global Limited, Hyderabad India Aug 2010 - Feb 2012**

**Role: Software Engineer**

**Responsibilities:**

* Involved in software development life cycle (SDLC) of tracking the requirements, gathering, analysis, detailed design, development, system testing and user acceptance testing.
* Actively involved in developing the methods for Create, Read, Update and Delete (CRUD) in Active Record.
* Developed entire frontend and backend modules using Python Django Web Framework.
* Involved in designing user interactive web pages as the front end part of the web application using various web technologies like HTML, JavaScript, Angular JS, JQuery, AJAX and implemented CSS for better appearance and feel.
* Knowledge of cross-browser and cross-platform development of HTML and CSS based websites in Windows like IE 6, IE 7, IE 8 and FF.
* Used AJAX to modify small portions of the web pages by sending a request to the server avoiding the need of reloading the entire web page.
* Interactive in providing change requests, trouble reports and requirements collection with the client.
* Implemented and modified various SQL queries and Functions, Cursors and Triggers as per the client requirements.
* Managed code versioning with GitHub, Bit Bucket and deployment to staging and production servers.
* Implemented MVC architecture in developing the web application with the help of Django framework.
* Used Celery as task queue and RabbitMQ, Redis as messaging broker to execute asynchronous tasks.
* Designed and managed API system deployment using fast http server and Amazon AWS architecture.
* Involved in code reviews using GitHub pull requests, reducing bugs, improving code quality, and increasing knowledge sharing.
* Implemented monitoring and established best practices around using elastic search.
* Install and configuring monitoring scripts for AWS EC2 instances.
* Implemented task object to interface with data feed framework and invoke database message service setup and update functionality.  
    
  **Environment: Python 2.7, Django 1.7, HTML5, CSS, XML, KML, MySQL, JavaScript, Angular JS, JQuery, CSS Bootstrap, RESTful, MS SQL Server, MongoDB, Elastic Search, Ubuntu server, Windows 12 Server, Amazon s3, Jenkins, Map Box, My SQL, Mongo DB, GitHub, Bit Bucket, Linux, and Windows.**