**SAI**

**Sr. Python Developer**

**Professional Summary**:

* **8+ years** of Python Developer experience in various domains –**Financial**, **E-commerce**, **Telecom.**
* Developed Web Applications, Server-Side programming and Analytical programming, Automation and Micro services using Python (2.7, 3.x), C++ and python frameworks like **Flask**, **Django**, **Selenium**.
* Experience in developing Python **Web Services** and **REST APIs**.
* Experienced of software development in Python (libraries used: libraries- **Beautiful Soup, numpy, scipy, matplotlib, python-twitter, Pandas data frame, network, urllib2, MySQL dB for database connectivity**) and IDEs - **sublime text, Spyder, pycharm, emacs**.
* Have extensively worked on **Object oriented programming** (OOP) using Python, Java and C++ and have written reusable, efficient code.
* Have strong understanding of Python **multi-threading**, **multi-processing** and their limitations.
* Used **JavaScript, HTML, CSS, Bootstrap** in front end development for design functionality and design modifications.
* Strong at testing and debugging, tested the applications, rest APIs using Pytest, Unitest, requests libraries.
* Good experience in Amazon AWS concepts like **EC2 instances, S3 storage, Lambda, IAM, VPC**, etc.
* Used **PyCharm, Eclipse, Sublime** platforms for code development.
* Experienced in **NoSQL** technologies like **MongoDB**, **Cassandra** and relational databases like **Oracle, SQLite, PostgreSQL, Dynamo DB** and **MySQL** databases.
* Extensively used Jenkins for CI/CD and build pipelines and used **docker** for creating docker images, files, containers.
* Have used source control applications like **Git**, **GitHub**, **Bitbucket** for code management.
* Experience in working with different operating systems **WINDOWS, LINUX, and iOS**.
* Excellent at analytical and problem-solving skills with efficient time management.
* 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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| |  |  | | --- | --- | | **Languages** | **Python, C, C++, Core, Java, Bash, shell scripting.** | | **Web Design** | **HTML5, XHTML, CSS3, JSP, AJAX, ReactJs** | | **Databases** | **Microsoft SQL Server, SQLite, MySQL, PostgreSQL,MongoDB, Redis, CouhBase** | | **Python Libraries** | **Django, ReportLab, Numpy, Scipy, Matplotlib, HTTPLib2, Urllib2, Beautiful Soup, Pickle, Pandas, Flask** | | **Version Control Systems** | **CVS, SVN, Git and GitHub.** | | **Tools** | **Amazon EC2, Apache Tomcat, MS Office(MS-Excel, MS-PowerPoint, MS-Project 2013), Visio 2013, Splunk, Kibana, OpenGrok, Pylint, Pdb, gdb, dbx, Eclipse, PyCharm, emacs, Cloud computing, postgreSQL** | | **Operating Systems** | **Windows, Linux, Unix** | | **Protocols** | **HTTP/HTTPS, TCP/IP, SOAP, SMTP** | |  |  |

**Profession Experience:**

**Sr. Python Developer**

**Client: Boston Scientific ,MN August 2017 –Present**

**Responsibilities:**

* Contribute to the implementation process and enhancements to new and existing applications. Conduct root cause analysis and complex performance tuning, writing queries and designing schemas.
* Responsible for build and test of applications. Experience in handling database issues and connections with SQL and NoSQL databases like MongoDB by installing and configuring various packages in python (Teradata, MySQL dB, MySQL connector, PyMongo and SQL Alchemy).
* Design and configure database, back end applications and programs. Managed large datasets using Pandas data frames and SQL.
* Write MySQL Stored Procedures and Views from scratch.
* Write and execute MySQL database queries from python using MySQL-connector.
* Write & consume REST API's using requests library.
* Use several Python libraries like NumPy, Pandas, etc.
* Used Django framework for application development.
* Used several python libraries like Python, Numbly and Matplotlib.
* Used Celery/RabbitMq (Asynchronous task queue based on distributed message passing and RabbitMq works as a broker) to distribute the workload between machines in Django application.
* Setup and used Couchbase as NoSql database for cache memory.
* Experienced in Agile Methodologies and SCRUM Process.
* Using Subversion and GIT version control tool to coordinate team-development.
* Configured the source bucket to trigger the lamda function and wrote the handler function to star the AWS Lamda funtion.
* Created Pythonand Bash tools to increase efficiency of call centre application system and operations; data conversion scripts, AMQP/RabbitMQ, REST, JSON, and CRUD scripts for API integration.
* Created and uploaded documents to an S3 bucket using boto3
* Used Pandas to construct a dataframe of a complicated json and normalize it for coding.
* Responsible for debugging and troubleshooting the web application.
* Developed entire frontend and backend modules using Python on Django Web Framework.
* Designed and developed data management system using MySQL.
* Met client audit requirements by developing python scripts to retrieve AWS RDS logs using Boto.
* Setup Cron Job in python and shell script to execute background tasks on a routine basis.
* Worked in development of applications especially in UNIX environment and familiar with all of its commands.
* Performed the System Testing, Regression Testing for Complete UI after fixing the Issues which are reported by Testing Team.
* Coded Unitests and Integration tests for everything in the backend.
* Help with the migration from the old server to Jira database with Python scripts for transferring and verifying the information.
* Develop, test and deploy various ETL jobs. Experience with Docker.
* Write UNIX Shell Scripts and develop Data Import/Export and Conversions.
* Experience in maintaining all the tools like Bit Bucket, Confluence, JIRA, and GIT.
* Used AWS to create storage resources and define resource attributes, such as disk type or redundancy type, at the service level.
* Develop a fully automated continuous integration system using Git, Jenkins, MySQL and custom tools developed in Python and Bash.

**Environment**: Python 3.5, Django 1.5, Pandas, GIT, ReactJS, MySQL, Linux, Shell Scripting, RabbitMq, Celery, CentOS Linux, Couchbase server 4.0, NodeJs, MobX, JSX(ES6), NPM, Babel

**Sr. Python Developer**

**Client: Amgen , CA JAN 2015 – July 2017**

**Responsibilities:**

* Used Flask framework for application development.
* A login/logout application with SAML authentication/authorization protocol with the new OpenId/OAuth support.
* The TDS Login application includes several modules such as registration module, forgot password module, forgot username module etc.
* The TDS login application is a python/Flask application which uses several libraries such as Flask 0.12, python marshmallow (Simplified object serilaization), Python LDAP3, Selenium (Functional/Acceptance testing), JQuery (For front end), Tox (For automation), Sphinx, Fabric (For auto deploy), Suds (For Python Soap Client) and many more.
* Designed and developed the UI of the website using HTML, XHTML, AJAX, CSS and JavaScript.
* Developed frontend and entire backend modules using Python on Flask Web Framework.
* Setup and used Couchbase as NoSql database for cache memory.
* Wrote python scripts to parse XML documents and load the data in database and Used Suds (Python library for SOAP) to parse the WSDL files (XML content) into python data types.
* Setup and Used selenium with Chrome, Mozilla and phantom web driver for functional testing and automated the testing process using TOX.
* Wrote unittest’s, functional test’s and integration test’s for every module in the application.
* Worked in development of applications especially in UNIX environment and familiar with all of its commands.
* Experienced in Agile Methodologies and SCRUM Process.
* Resolved ongoing problems and accurately documented progress of a project.
* Using Subversion and GIT version control tool to coordinate team-development.
* Responsible for debugging and troubleshooting the web application. Refactored and extended large existing Django/Python code base, reducing the number of lines in code and duplication significantly.

Environment: Python 2.7/3.5, Flask 0.12, Pandas, GIT, SVN, Java, JQuery, MySQL, Linux, Shell Scripting, HTML5/CSS, CentOS Linux, Couchbase server 4.0, python Ldap3

**Python Developer**

**Client: World Class Electronics, CA NOV 2012 – DEC 2014**

**Responsibilities**:

* Business logic implementation, data exchange, XML processing and graphics creation has been done using python and Django.
* Views and Templates were developed with python and to create a user-friendly website interface Django's view controller and template language is used.
* Developed UI using CSS, HTML, JavaScript, AngularJS, jQuery and JSON.
* A Django dashboard with custom look and feel for end user has been created after a careful study of the Django admin site and dashboard.
* Developed views and templates with Python and Django's view controller and templating language to create a user-friendly website interface.
* Used Django Database API's to access database objects.
* JIRA was used to build an environment for development.
* Used web applications development using Django/python, Flask/python, and, jQuery, Ajax while using HTML/CSS/JS for server-side rendered application.
* Different testing methodologies like unit testing, Integration testing, web application testing, selenium testing was performed.
* Developed user interface using, CSS, HTML, JavaScript and jQuery &Ruby on rails.
* Cleaned data and processed third party spending data into maneuverable deliverables within specific formats with Excel macros and python libraries.
* Designed and developed Restful API internally in the company using Python Virtual environments, Flask and Requests.
* Used several python libraries like wx python, NumPy, and matplotlib.
* Was involved in the environment, code installation as well as the SVN implementation.
* Build all database mapping classes using Django models and Cassandra.
* Hands on experience with continuous integration and automation using Jenkins.
* Designed and developed data management system using MySQL.
* Creating unit test/regression test framework for working/new code.
* Designed and configured database and back end applications and programs.

**Environment**: python 2.7, Django, C++, JavaScript, SQL Server, HTML, DHTML, Jenkins, CSS, Linux, jQuery, JSON, AJAX.

**Software Engineer**

**Client: Anthelio, India Aug 2010 – OCT 2012**

**Responsibilities:**

* Involved in reviewing and understanding the Business requirements.
* Involved in entire lifecycle of the projects including Design, Development, and Deployment, Testing and Implementation and support.
* Wrote scripts to Import and Export data to CSV, EXCEL formats from different environments using Python and made a Celery action using REST API call.
* Designed the user interactive web pages as the front-end part of the web application using various web technologies like HTML, JavaScript, Angular JS, jQuery and implemented CSS framework Bootstrap for better appearance and feel.
* Developed remote integration with third party platforms by using RESTful web services.
* Developed web services that make database calls for inserts, updates, and select queries.
* Developed Unit, Integration and Performance Test Cases using Junit, Selenium and Rational Function Tester.
* Improved code reuse and performance by making effective use of various design patterns.
* Used Python library Beautiful Soup for web scrapping’s.
* Fetched twitter feeds for certain important keyword using python-twitter library.
* Managed large datasets using Panda data frames and SQL.
* Wrote and executed various MYSQL database queries from python using Python-MySQL connector and MySQL dB package.
* Deployed the project into Heroku using GIT version control system.
* Developed methods for Create, Read, Update and Delete (CRUD) in Active Record.
* Used Django evolution and manual SQL modifications was able to modify Django models while retaining all data, while site was in production mode.
* Proficient with Java and Android SDK version Android 1.5 to Android 7.0 (Gingerbread, Honey comb, Ice cream sandwich, Jellybean, Kit Kat, Lollipop, Marshmallow and Nougat).
* Expertise in creating and developing applications for android operating system using Android Studio, Eclipse IDE, SQLite, Java, XML, Android SDK and ADT plugin.
* Scripted simulation hardware for testing using the Simi’s simulator.
* Execute Validation Process through SIMICS.
* Worked on Angular JS to augment browser applications with MVC capability.

**Environment**: Python, Celery, mod python, Angular, jQuery, JavaScript, AJAX, HTML/XHTML, XML, MS SQL server, T-SQL, Jasper, GIT, Reports, RESTful, Linux, Android OS Android 1.5 to Android 6.0