**LINGA**

**Python Developer**

**Professional Summary:**

* Having 8 years of experience in Design, Development, Implementation and Maintaining systems using **Python, Django**, **Flask** and **Restful API’s**.
* Handy experience in developing Web-Applications and developing **Model View Control** architecture using **Django, Flask** web application frameworks.
* Designed and developed **Restful API** internally in the company using Python Virtual environments, **Flask** and Requests.
* Experienced in WAMP (Windows, Apache, MYSQL, and Python) and LAMP (Linux, Apache, MYSQL, and Python) Architecture.
* Experience in **Shell Scripting**, **SQL Server**, **UNIX** and **Linux, Open stack**.
* Proficient in **SQL** databases **MS SQL, MySQL workbench, Oracle** and **No-SQL** databases **MongoDB, Redis**.
* Developed and implemented large scale business critical systems using Object Oriented Design and Programming concepts using **Python** and **Django.**
* Experienced in developing Web Services with Python programming language and protocols **SOAP, REST**.
* Involved in back end development using Python and **Flask** framework.
* Experienced with data analysis using Python, data wrangling and extracting data using **Pandas**, **NumPy** and **SciPy**.
* Experience in developing web services (**WSDL, SOAP** and **REST**) and consuming web services with python language.
* Having experience with **Git** to resolve and coding the work on python.
* Good in implementing the business rules in different layers like UI, services and database.
* Used **Pandas** library in Python for statistical analysis.
* Experience in developing web-based applications using **Python, Django, FLASK**, **Webapp2, XML,** **AJAX, CSS, HTML, JavaScript** and **JQuery**.
* Having experience of software development in Python IDEs – **Sublime text**, **Spyder**, **PyCharm** and **MS Visual Studio**.
* Experienced with Python Libraries **Beautiful soap, Numpy, Scipy, Matplotlib, Pandas** data frame, and uses databases like **SQLite, MYSQL Workbench, PostgreSQL, MongoDB, Redis** for database connectivity.
* Having strong experience writing APIs and Web Services in Python.
* Implemented consumer based features and applications using **Python, Django, HTML, AJAX**, Behavior Driven Development (BDD) and pair based programming.
* Developed views and templates with **Python** and **Django**’s view controller and template language to create a user-friendly website interface.
* Developed tools using **Python, Shell scripting, XML** to automate some of the menial tasks.
* Implemented and created backend data access modules using **PL/SQL** stored procedures and **Oracle**.
* Having experience in writing Sub-Queries, Stored Procedures, Triggers, Cursors, and Functions on **MYSQL** and **PostgreSQL** database.
* Experience with Unit testing/ Test Driven Development (TDD), Load Testing.
* Having excellent experience in Python development under Linux OS (**Ubuntu**, **Red Hat Linux**).
* Experience in **Agile Methodologies**, **Scrum stories and sprints** experience in a Python based environment, along with data analytics, data wrangling and Excel data extracts.
* Experience in performing **signal processing** and **machine learning** algorithm development for a variety of programs.
* Wrote **AJAX** framework to transform Datasets and Data tables into HTTP-Serializable **JSON** strings.
* Ability to grasp new technologies and to correctly apply new tools to build applications.
* Advised management on improvement strategies, Competitive and Profitability Analysis.

**Technical Skills:**

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| --- | --- |
| **Programming Languages** | Python, C, C++, SQL, Core Java. |
| **Frameworks** | Django, Web2py, Flask, Pyramid. |
| **Web Technologies** | JavaScript, AJAX, HTML, CSS, XML, JQuery, JSON. |
| **Version Control Tools** | Subversion GIT, Perforce, CVS. |
| **Web Servers** | Apache, NGINX, Tomcat Server, WebSphere. |
| **Databases** | MYSQL Workbench, PostgreSQL, Cassandra, Oracle and MongoDB, Redis. |
| **Operating Systems** | Linux, Unix, MS Windows, MacOS. |
| **Methodologies** | Agile, Waterfall, Hybrid. |
| **IDE’S Development tools** | Sublime Text, PyCharm, NetBeans, Eclipse and vim. |
| **API Integration** | XML, REST, SOAP, JSON. |

**Work Experience:**

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| --- | --- |
| **Pfizer, Groton, CT** | **Mar 2015 – Till Date** |
| **Python Developer** |  |

**Responsibilities:**

* Built several production level apps such as Staff Directory, Record Maintenance to enhance the performance of the organization.
* Involved in gathering Business Requirements and Functional Requirements and Interact extensively with the Product Owner to understand the Requirements thoroughly.
* Expertise in developing web-based open stack applications using **Python** and **Django** for large dataset analysis.
* Designed and developed the UI of the website using **HTML, AJAX, CSS** and **JavaScript.**
* Managed large datasets using Panda data frames with **MySQL Workbench**.
* Experience in provisioning instances on **Amazon AWS** and **Microsoft Azure**.
* Set up Auto Scaling groups and Load Balancing for **AWS** instances
* Used several regular expressions to match the pattern with required standards.
* Used **Python** scripts to parse XML documents and work with the data in database.
* Implemented **RESTful** Web Services for the data transportation between multiple systems.
* Developed **SQL** scripts to perform back-end testing using **SQL** Joins.
* Working with development teams using other languages, and automating build processes using Jenkins for Continuous Integration.
* Wrote scripts in **Python** and Selenium for automating test scenarios.
* Automated the testing of Login functionality and assigning roles to the users using Selenium Web Driver.
* Enhance and maintain order generation, position management and reporting platform.
* Worked with **Python** OO Design code for manufacturing quality, monitoring, logging, and debugging code optimization.

**Environment**: Python, Django, RESTful, MySQL, AWS, AZURE, Selenium, AJAX, JavaScript, HTML, CSS, Linux.

**Client: NVIDIA, Santa Clara, CA April 2014 – Feb 2015**

**Role: Python Developer**

**Responsibilities:**

* Developed a Python automated testing framework which can send, receive messages, test various interfaces including **REST APIs**. It is primarily used to do integration testing as it can create an order, route it out, get fills and generate success or error reports and can send it over through FTP or email.
* Worked with file parsing modules like **xlrd, XML, Zipper**.
* Develop applications that use **MongoDB** to store the **JSON** type of data.
* Actively participated in the business meetings and understanding the requirements.
* Wrote **Python** code embedded with **JSON and XML** to produce HTTP GET request, parsing **HTML** data from other websites.
* Hosted static/media content in Amazon S3 for high availability, real-time scaling and cost reduction. Backed up content to Glacier for recovery.
* Configured Auto Scaling policies and Elastic Load Balancers in **AWS** to improve performance.
* Worked with IAM Groups and Users and created roles to assign permissions in **AWS.**
* Working with continuous integration and automation using Jenkins.
* Worked with the design and management of services in public clouds such as **AWS, Azure.** Experienced designing and managing large scale data centers, with thousands of servers.
* Configured Jenkins and integrated with Git repository and Maven using plugins to automate the build process for Java teams
* Worked with Git repositories, and wrote Git hooks and post-commit scripts to enable Jenkins build-on-commit and customized build status notifications
* Used **Python** scripts to update content in the database and manipulate files.
* Developed remote integration with third party platforms by using **RESTful** web services.
* Actively participated and involved in daily Scrum meetings, sprint planning and sprint review.
* Developed various **Python** scripts to find vulnerabilities with **SQL Queries** by doing SQL injection, permission checks and performance analysis.
* Authored and maintained automation scripts in **Python**, **Bash** and **PowerShell.**
* Followed **Agile** methodology using Jira as bug tracking tool

**Environment:** Python, XML, xlrd, Zipper, Jenkins, Microsoft AZURE, REST, SOAP, MYSQL Workbench, MongoDB, LINUX, AWS, Agile, GIT, Sublime Text.

**Client: Lockhead Martin, Bethesda, MD June 2012 – March 2014**

**Role: Python Developer**

**Responsibilities:**

* Worked with **HTML/HTML5, CSS/CSS3**, JavaScript in developing web applications.
* Used web applications development using **Django/Python, Flask/Python**, and, **JQuery, Ajax** while using **HTML/CSS/JS** for server-side rendered application.
* Designed and managed API system deployment using fast http server and Amazon **AWS** architecture.
* Created a Python/Django based web application using **Python scripting** for data processing, **MySQL Workbench** for the database, and **HTML/CSS/JQuery** and High Charts for data visualization of the served pages.
* Developed frontend and backend modules using **Python** on **Django** Web Framework with GIT.
* Successfully migrated the Django database from **MySQL Workbench** to **PostgreSQL** with complete data integrity.
* Used Test driven approach for developing the application and Implemented the **unit tests** using Python Unit test framework.
* Worked on Python **Open stack API's**, used Python scripts to update content in the database and manipulate files.
* Wrote and executed various **MYSQL** **Workbench** database queries from Python using **Python-MySQL** connector and **MySQL dB** package
* Involved in development of Web Services using **SOAP** for sending and getting data from the external interface in the **XML** format.
* Familiar with **JSON** based **REST** Web services and Amazon Web services**(AWS).**
* Writing Sub Queries, Stored Procedures, Triggers, Cursors, and Functions on **MySQ**L and **PostgreSQL** database.
* Developed automation scripts to test storage appliances in Python.
* Developed consumer-based features and applications using **Python, Django, HTML**, Behavior Driven Development (BDD) and pair based programming.
* Involved in Loading, analyzing and extracting data to and from Oracle database with Python.
* Worked with python Unit test library which was used for testing many programs on Python and other codes.
* Used **AJAX** for Better interactivity for the end user and easier navigation and **AJAX** is compact.
* Wrote Python scripts to parse **XML** documents and load the data in database.

**Environment:** Python, Django, JSON, AJAX, JSON, RESTful, SQL, MYSQL, PostgreSQL, AWS, XML, Open stack API, JavaScript, GIT, SOAP, PyCharm, HTML, CSS.

**Client: PNB Bank, India Jan 2011 – April 2012**

**Role: Python Developer**

**Responsibilities:**

* Used **Django** framework for application development.
* Created entire application using **Python, Django, MYSQL** Workbench and **Linux.**
* Involved in working with Python **OpenStack APIs**.
* Developed applications especially in **UNIX** environment and familiar with all of **UNIX** commands.
* Embedded **AJAX** in UI to update small portions of the web page avoiding the need to reload the entire page.
* Involved in development of Web Services using **REST** for sending and getting data from the external interface in the **XML** format. Worked with **UNIX** like OS on regular basis.
* Improved code reuse and performance by making effective use of various design patterns.
* Creating unit test/regression test framework for working with new code.
* Build **SQL queries** implementing functions, packages, views, triggers and tables.
* Involved in entire lifecycle of the projects including Design, Development, and Deployment, Testing and Implementation and support. Maintaining the scripts using the **SVN version** Control.
* Proactivity worked with managers and development staff to meet project goals within expected timelines.

**Environment:** Python, Django, SQL, AJAX, REST, JavaScript, Open stack APIs, UNIX, Linux, XML, Sublime Text.

**Client: ARIS Global, India Aug 2008 – Dec 2010**

**Role: Python Developer**

**Responsibilities:**

* Developed Python batch processors to consume and produce various feeds.
* Application architecture designed as per the requirements using **Django** framework.
* Requirement Analysis and estimation of project timelines.
* Generated PDF daily and monthly statements using **Aspose PDF** Kit.
* Developed internal auxiliary web apps using Python **Django** with **CSS** and **HTML** framework.
* Involved in designing, constructing and documenting various object oriented applications using UML, Rational Rose.
* Designed and developed the presentation layer/client end using **HTML, XML**.
* Implemented Test Driven Development (TDD) strategy for the project.
* Wrote **SQL queries** and Oracle stored procedures for accessing and manipulating the data in the database.
* **Oracle** and **SQL server** were used as the database.
* Coordinate with SMEs, other architects, and senior technical staff to identify client’s needs, document assumptions, and build-out new requirements and move code through user acceptance testing.
* Developed and executed User Acceptance Testing portion of test plan.
* Debugging Software for bugs.

**Environment**: Python, Django, HTML, CSS, XML, TDD, SQL, MYSQL Workbench, SQL server, Linux, Sublime Text.