**KUSH AIKESH AMIN**

**Sr. Python Developer**

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**PROFESSIONAL SUMMARY:**

* Over 8 Years of experience in Analysis, Design, Development, Management, and Implementation of various standalone and client-server architecture-based enterprise application software.
* Extensive knowledge of **Python, PHP, MySQL, NoSQL, UNIX**, and**Linux**.
* Experience with Design, code, debug operations, reporting, data analysis, and web applications utilizing Python.
* Worked with MVW frameworks like **Django, Angular JS, HTML, CSS, XML, JavaScript, jQuery, JSON,** and**Node.js**.
* Involvement in building frameworks and automating complex workflows using Python for Test Automation.
* Experience in writing **REST APIs** in **Python** for large-scale applications.
* Have good exposure to **LAMP** (Linux, Apache, MySQL, and Python) and **WAMP** Architectures.
* Excellent working Experience in **Agile (SCRUM)** using Rally and TFS, RUP, and Waterfall methodologies with high-quality deliverables delivered on time.
* Wrote Python modules to extract/load asset data from the MySQL source database.
* Good Command of web services with protocols **SOAP, and REST**.
* Utilized **PyUnit**, the Python unit test framework, for all Python applications.
* Anticipated potential parts of failure (database, communication points, file system errors). Good working experience in using version control systems**CVS, SVN, Amazon EC2, Git, and GitHub**.
* Evaluated potential software products based on new and existing system development and migration requirements.
* Proficient in developing websites and web applications using **PHP, MYSQL, AWS, Flask, Jinga, REDIS, HTML, XML, JSON, CSS, JavaScript & AJAX**.
* Performed regression and system-level testing to verify software quality and function before it was released.
* Experience in working with Python ORM Libraries including **Django ORM**.
* Superior Troubleshooting and Technical support abilities with Migrations, Network connectivity, and Security and Database applications.
* Assessed costs and risks associated with developing new features and products.
* Skilled in testing tools like **Bugzilla**and **JIRA.**
* Contributed to the Python codebase used in the automated deployment of software on multiple virtual machines.
* Experienced in working with various **Python IDEs** using PyCharm, Spyder, NetBeans, PyStudio, PyScripter, Eric, Wing IDE, and PyDev.
* Experienced in requirement gathering, Use case development, Business Process flow, Business Process Modelling
* Responsible for user validations on the client side as well as the server side.
* Adept at automating repetitive work through **Shell scripts** and Python.
* Able to analyze a requirement and act accordingly by managing the resources efficiently.

**TECHNICAL SKILLS:**

**Programming Languages:** Python 2.5-2.7/3.4-3.6, C, SQL, and PL/SQL.

**Web Technologies:** HTML, CSS, DOM, SAX, JavaScript, jQuery, AJAX, XML, AngularJS.

**Frameworks:** Django, PyJamas, Flask, Jython, Pyramid, CherryPy

**Version Control:** MVC, SVN, CVS, Git, GitHub.

**Front End:** Angular, jQuery, Ajax, ExtJS, Node JS, React JS, JSON, Bootstrap, CSS, HTML

**Analytic Tools:** JMP PRO, SAS, Tableau, UCI NET, Node XL

**Application servers:** Apache Tomcat, JBoss

**Databases: `** Oracle, My SQL, PostgreSQL, Apache Cassandra

**IDE’s/ Development Tools:** NetBeans, Spyder, Eclipse, PyCharm, PyScripter, PyStudio, Atom, and Sublime Text.

**Operating Systems:** Windows 98/2000/XP/7/8/10, Red hat Linux 4.x/5.x/6.x, Ubuntu, and MacOS.

**Protocols:** TCP/IP, HTTP/HTTPS, SOAP, SMTP

**Testing Tools:** PyTest, Testify, Selenium, Bugzilla, and JIRA.

**WORK EXPERIENCE:**

**CVS Health – Richardson, Texas Aug 2020 to Till Date**

**Sr. Python Developer**

**Responsibilities:**

* Worked on the development of an **internal testing tool framework** written in **Python**.
* Developed **GUI**using Python and Django for dynamically displaying**block documentation** and other features of python code using a web browser.
* Wrote scripts inPython for extracting data from **HTML** files.
* Developed views and templates with Python and Django's**view controller** and templating language to create a user-friendly website interface.
* Used **JavaScript** and**JSON** to update a portion of a webpage.
* Performed troubleshooting, fixed, and deployed many bug fixes for applications that were the main source of data for both customers and the internal customer service team.
* Handled potential points of failure (database, communication points, and file system errors) through error handling and communication of failure.
* Responsible for debugging the project monitored on **JIRA (Agile)**
* Wrote Python scripts to **parse JSON documents** and load the data into the database.
* Worked on Restful APIs to access the third-party data for the internal analysis and statistical representation of data.
* Used PythonandDjango to interface with the **jQuery UI** and manage the storage and deletion of content.
* Build SQL queries for performing various CRUD operations like create, update, read and delete.
* Developed entire frontend and backend modules using **Python** on **Django** including **Tastypie** Web Framework using **Git**.
* Worked on front-end frame works like CSS Bootstrap for the development of Web applications.
* Created database using **MySQL**, and wrote several queries to extract data from the database.
* Worked in **NoSQL** database on simple queries and writing Stored Procedures for normalization and renormalization.
* Set up automated **cron jobs** to upload data into the database, generate graphs, and bar charts, upload these charts to the wiki, and back up the database.
* Developed **Merge jobs in Python** to extract and load data into MySQL database.
* Successfully migrated the Django database from **SQLite**to**MySQL**to**PostgreSQL** with **complete data integrity**.
* Designed front end using **UI, HTML, Bootstrap, Node JS, underscore JS, Angular JS, CSS,**and**JavaScript.**
* Followed **AGILE**development methodology to develop the application.
* Involved in Database design, normalizations, and de-normalization techniques.
* Involved in User Acceptance Testing and prepared UAT Test Scripts.
* Effectively communicated with external vendors to resolve queries.
* Used and customized apache server for checking our developed project.
* Used **Test driven approach (TDD)** for developing services required for the application.
* Implemented **Integration test cases.**
* Used **Git**to resolve and code the work on python and**portlet.**

**ENVIRONMENT:** Python 2.7, Django 1.4, HTML5, CSS, XML, MySQL, JavaScript, Angular JS, jQuery, CSS Bootstrap, JavaScript, Eclipse, Git, GitHub, AWS, Linux, Shell Scripting.

**Chandler Arizona - Roseville, CA September 2018 - July 2020**

**Sr. Python Developer**

**Responsibilities:**

* Used UML Rational Rose to develop Use-case, Class, and Object diagrams for OOA/OOD techniques.
* Built **database model, Views, and APIs** using Python for interactive web-based solutions.
* Placed data into **JSON** files using Python to test Django websites. Used Python scripts to update the content in the database and **manipulate files**.
* Developed web-based application using Django framework with python concepts.
* Generated Python Django forms to maintain the record of online users.
* Used **Django APIs** to access the database.
* Involved in Python OOD code for **quality, logging, monitoring, and debugging** code optimization.
* Skilled in using Collections in Python for manipulating and looping through different user-defined objects.
* Wrote Python modules to view and connect the **Apache Cassandra** instance.
* Created Unit test/ regression test framework for working/new code.
* Installed and maintained web servers **Tomcat and Apache HTTP** in UNIX.
* Utilized standard Python modules such as CSV, iter tools, and pickle for development.
* Developed efficient **Angular.js** for client web-based applications.
* Responsible for designing, developing, testing, deploying, and maintaining the web application.
* Designed and developed the UI for the website with HTML, XHTML, CSS, JavaScript, and AJAX.
* Involved in working with Python open stock APIs.
* Developed **Spark** Code using **python** for faster processing of data.
* Responsible for managing large databases using **MySQL**.
* Wrote and executed various MySQL database queries from Python-MySQL connector and **MySQL DB package**.
* Used Python's modules **NumPy, matplotlib**, etc. for generating complex graphical data, creating of histograms, etc.
* Developed and designed an automation framework using **Python**and**Shell scripting**.
* Involved in debugging and troubleshooting issues and fixed many bugs in two of the main applications which are the main source of data for customers and the internal customer service team.
* Implemented **SOAP/RESTful** web services in JSON format.
* Associated with debugging the applications monitored on **JIRA** using **Agile** methodology.
* Attended many day-to-day meetings with developers and users and performed QA testing on the application.
* Experience in using containers like Docker.

**ENVIRONMENT:** Python 2.7,3.3, Django 1.4, HTML, CSS, AJAX, Tomcat, Apache HTTP, Angular.js, JSON, Restful, XML, JavaScript, OOD, Shell Scripting, GIT Hub, MYSQL, Cassandra, JIRA.

**eBay – San Jose, CA April 2016 – Aug 2018**

**Python Developer**

**Responsibilities:**

* Responsible for using the best technologies to add features to the existing system and services.
* Involved in all aspects of the development process from product inception to scaling in production.
* Accountable for driving software development best practices for the team and also mentoring and developing junior engineers.
* Working in collaboration with project managers and higher management in cross-functional teams within Sales and Account Management, to understand business requirements and develop efficient, elegant approaches to their implementation.
* Writing **REST APIs**, as part of developing web-based applications for insurance premium calculations, using Django’s**REST framework**.
* Heavily leveraged **Python**’s graphics APIs for creating graphics and serialization libraries for encoding data in **XML/JSON** formats.
* Correspondingly involved in writing **REST APIs** using **Django framework** for data exchange and business logic implementation.
* Involvement in using collections in Python for manipulating and looping through different user-defined objects.
* Designedgn and implemented custom **Bash** scripts for controlling the data flow from the **PostgreSQL** database.
* Assisted the development team in sending the correct data via query strings using **PostgreSQL** as the back-end for storing data.
* Used **Django**configuration to manage URLs and application parameters.
* Responsible for configuring **NoSQL** databases like **Apache Cassandra** and **Mongo DB** to for increasing compatibility with Django.
* Designed and created backend data access modules using **PL/SQL** stored procedures.
* Good experience in writing **SQL** Queries and implementing stored procedures, functions, packages, tables, views, cursors, and triggers.
* Responsible for debugging the project monitored on **JIRA**.
* Actively worked as a part of a team with managers and other staff to meet the goals of the project in the stipulated time.
* Developed and executed the **User Acceptance Testing** portion of the test plan.
* GeneratedDjango forms to record data of online users and used **PyTest** for writing test cases.
* Extensive use of version controlling systems like **GIT**and **SVN**.

**ENVIRONMENT:**Python, Django, MySQL, NoSQL, GIT, SVN, Unit Test Linux, Windows.

**Barclays Bank -McKinney, TX June 2014 - March 2016**

**Python Engineer**

**Responsibilities:**

* Designed and developed a data management system using MySQL.
* Worked on high-level design and detail design.
* Design, develop, test, deploy and maintain the website.
* Developed the interactive user interface using jQuery JavaScript library.
* Developed/Modified **GUI** using **HTML, CSS** and **JavaScript (jQuery)**.
* Built application logic using Python 2.7, Django, and MYSQL.
* Rewrite existing **Python/Django** modules to deliver a certain format of data.
* Used Django Database API's to access database objects.
* Developed python scripts to parse **XML** documents and load the data in the database.
* Worked on all the client-side validation using JavaScript.
* Wrote Constraints, Indexes, Views, Stored Procedures, Cursors, Triggers, and User Defined functions.
* Extensively used **Selenium** Library to write a fully functioning test automation process that allowed the simulation of submitting different requests from multiple browsers to web applications.
* Worked with **jQuery** for all client-side JavaScript manipulation.
* Developed unit test/regression test framework for working/new code.
* Used a Subversion control tool to coordinate team development.
* Worked with Forms, views, and models using Django.
* Developed entire **frontend and backend** modules using Python on Django Web Framework.
* Debugging and troubleshooting the web application.
* Developed views and templates with Python and Django's view controller and templating language to create a user-friendly website interface.
* Generated complex graphical data, creation of histograms, etc. using Python's modules **Numpy, matportlib**, etc.

**ENVIRONMENT:** Python, Django 1.3, MySQL, Linux, HTML, XHTML, SVN, CSS, AJAX, Bugzilla, JavaScript, Apache Web Server.