**Siddartha p**

**Email: siddarthap5i6@gmail.com**

**Phone: 501-712-3080**

**Linkedin: https://www.linkedin.com/in/siddarthapolishetti/**

**Senior Python Developer**

**Summary:**

* Around 8 years of professional experience in I.T Industry with strong hands on analysis, design and development of enterprise applications.
* Expertise in practicing the SDLC models, agile methods with Scrum, Extreme Programming, Ticketing systems using JIRA and Test Driven Development (TDD).
* Equipped with the knowledge of various software’s, organizing technical skill of creating new software & systems, designing, analysis, testing, database development and coding for modules while structuring customized solutions to meet customer’s specific needs.
* Strong experience in writing scripts using **Python, PySpark** for analyzing the data.
* Experience in creating scalable and robust applications along with other technologies.
* Proficient in developing Web Services (SOAP, RESTful) in Python using XML, JSON.
* Expertise in working with different databases like **Oracle, MySQL, PostgreSQL, Hive** and Good knowledge in using **NoSQL** database **MongoDB**.
* Good experience in developing web applications and implementing ModelViewControl (MVC) architecture using server side applications like **Django, Flask, Web2Py** and **Pyramid**.
* Excellent experience with software development under Linux OS (**Ubuntu, SUSE Linux, Red Hat Linux**).
* Well versed with Version control systems such as **Git, SVN** and **CVS**.
* Good knowledge in strategy and implementation of AWS technologies such as **EC2, S3, ECS, ECR, SQS, SNS, Codebuild,MWAA, RDS** and **EBS**.
* Experience in using UNIX Shell Scripts for automating batch programs.
* Proficient in developing complex SQL queries, Stored Procedures, Functions, Triggers, Cursor and Packages along with performing DDL and DML operations.
* Experience in deploying applications in heterogeneous Application Servers TOMCAT, Web Logic and Oracle Application Server.
* Experience in working with SQLAlchemy in connecting with databases like **MongoDB, Cassandra, Oracle** and **MySQL.**
* Created action filters, parameters and calculated sets for preparing dashboards and worksheets in Tableau.
* Familiarity with development best practices such as code reviews, unit testing, system integration testing (SIT) and user acceptance testing (UAT).
* Expertise in performing Unit testing using Pyunit framework and Test Automation used Robot Framework along with Error Logging using Sentry.
* Possess keen business acumen in analyzing and understanding business requirements, customer-value maximization and developing new business processes.
* Good team player with excellent work history and willingness to go the extra mile.
* Exceptional analytical, troubleshooting organizational, communication, prioritization and problem solving and leadership skills with ability to create and sustain high work tempo.

**Education:**

* B.Tech from MRCET-JNTUH Hyderabad India
* Masters from University of Arkansas at Little Rock, US

**Technical Skills:**

**Programming Languages:** Python, C, C++, shell scripting, SQL

**Operating Systems:** Windows 98/2000/XP/7,8, Mac OS, UNIX and Linux, Debian

**Web Technologies:** HTML/HTML5, CSS/CSS3, XML, DOM, jQuery, JSON and CSS Bootstrap

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

**Python Libraries:** ReportLab, Numpy, Scipy, Matplotlib, HTTPLib2, Urllib2, Beautiful Soup, Pickle, Pandas, PyIMSL, PyTables etc.

**Cloud Services:** Amazon Web services, Google app Engine, Salesforce.

**IDE’s:** Sublime Text 2, Vim, Pycharm, PyDev, Netbeans, Eclipse

**Database:** MySQL, SQL Server, NoSQL,Sqlite3, Postgresql, Hive and mongo DB

**Web Servers:** Apache HTTP web server, WebLogic, WebSphere, JBoss and Apache Tomcat

**Analytics Tools:** JMP PRO, SAS, Tableau, UCI NET, NodeXL

**Version Control Systems:** CVS, SVN, Gitlab and GitHub.

**Professional Experience:**

**Pluralsight, Boston Massachusetts April 2022 - Present**

**Sr Node Python Developer**

**Responsibilities:**

* Worked with Business Architects and Business Analysts to understand the business requirements.
* Application developed with Python, Django and PostgresQL using JIRA (Agile) methodology.
* Responsible for data retrieval from different sources and store data into AWS S3.
* Developed python codes for different tasks, dependencies.
* Develop and maintain automated tests using python and the Robot test framework.
* Worked Development of SQL and stored procedures for normalization and denormalization in PostgresQL and used SQLAlchemy for connecting with PostgresQL Database.
* Worked with LucidChart to create Flow Chart, Sequence diagram and Road map.
* Hands-on experience with Python Dash for building interactive web applications with complex data visualizations.
* Ability to design and implement Dash applications that meet specific project requirements.
* Created Managed Apache Airflow(MWAA) pipeline to schedule the sequence of tasks and monitor.
* Developed Lambda functions which invokes python scripts to perform various transformations on large data sets in ECS.
* Used Kibana and ElasticSearch for analytics, application monitoring purposes and also to identify the Kafka message failure scenarios.

**Environment:** Python 3,Python Dash, PostgreSQL, PyCharm, Django, Web2Py, JIRA, AWS(S3, ECS, Glue, MWAA, Batch), GitLab, GitHub,SQL Developer, Airflow,Robot, Typescript, CI/CD.

**Duke Energy, Charlotte NC Jan 2022 – March 2022**

**Python Developer**

**Responsibilities:**

* Designed and developed an Interactive chatbot using slack APIs to serve as application wiki/help.
* Developed automated test scripts for checking application’s code using unittest Python.
* Built notification mechanism and alerting system by sending messages to team’s slack channel for high priority emails.
* Generated report on predictive analytics using Python and Tableau including visualizing model performance and prediction results.
* Performed exploratory data analysis for further predictive analytics using Python Pandas.
* Built end-end pipeline to cleanse, transform and ingest data into AWS RDS Database from the s3.
* Designed, implemented and maintained the development solutions using Docker, Jenkins, Git.
* Participated fully in the development process through the entire software lifecycle
* Involved in development of workflows triggered by events from other systems and easy to use documentation for the frameworks and tools developed for adoption by other teams
* Iterate rapidly and work collaboratively with product owners, developers, and other members of the development team
* Installed and configured apache airflow for workflow management and created workflows in python.
* Developed python code for different tasks, dependencies, SLA watcher and time sensor for each job for workflow management and automation using Airflow tool.
* Responsible for debugging and solving any on call alerts or issues.
* Developed the code in linux(redhat) environment and deployed in ECS cluster.
* Worked in big data technologies such as Hadoop, hive, sqoop and other scheduling frameworks.

**Environment:** Python 3, Oracle, MySQL, PyCharm, Flask, Web2Py, Linux, JSONREST, JIRA, AWS, Beautiful Soup, Agile, GitHub, SQLAlchemy, SQL Developer, Jenkins, Hadoop, Airflow.

**SPARTAN - University Of Arkansas, LittleRock Jan 2020 –Dec 2021**

**Graduate Research Assistant**

**Responsibilities:**

* Application developed with Python, Django and MySQL using JIRA (Agile) methodology.
* Configured the Django admin site, dashboard and created a custom Django dashboard for end users with custom look and feel. Used Django APIs for database access.
* Created Data Connections, Published on Tableau Server for usage with Operational or Monitoring Dashboards.
* Developed entire front end and back end modules using Python on Django, WSGI- Pyramid Web Framework.
* Improved code reuse and performance by making effective use of various design patterns.
* Developed views and templates with Python and Django view controllers and templating language to create a user-friendly website interface.
* Worked on development of SQL and stored procedures for normalization and denormalization in MySQL and used SQLAlchemy for connecting with MySQL Database.
* Created Chef Cookbooks to deploy new software and plugins as well as manage deployments to the production Jenkins server.
* Developed remote integration with third party platforms by using RESTful web services.
* Used Django Database API's to access database objects. Also, involved in validating and processing of files.
* Used ANT as build tools on Java projects for the development of build artifacts on the source code.
* Worked with networking teams in configuring AWS Direct Connect to establish dedicated connection to data centers, ElasticSearch and AWS Cloud.
* Used Wireshark, live HTTP headers and Fiddler2 debugging proxy to debug the Flash object and help the developer create a functional component.
* Expertise in writing Constraints, Indexes, Views, Stored Procedures, Cursors, Triggers and User Defined function.
* Worked on with several python libraries like MatPlotLib, PyTest and Selenium.
* Wrote Lambda functions in python for AWS Lambda which invokes python scripts to perform various transformations and analytics on large data sets in EMR clusters.
* Parsed various file formats including XML and JSON and loaded into Oracle database with Python XML and JSON modules.
* Followed AGILE development methodology to develop the application and During Deployment main worked through Ansible.
* Implemented Integration test cases and done Unit testing using PyUnit framework.
* Used JIRA for issue tracking and bug tracking for each individual sprint and used pyChecker tool to fix bugs.

**Environment:** Python 3.4, Django 1.8, MySQL, PyCharm, WSGI, Git, ElasticSearch, Flask,Web2Py, Linux, Windows, JSON, JQuery, HTML, XML,CSS, REST, JIRA, Bootstrap, AWS, ANT, JavaScript, Beautiful Soup, Agile, GitHub, PyUnit, SQLAlchemy, Ansible, Tableau, SQL Developer, Robot, Jenkins, Chef, Selenium.

**Capgemini, India May 2016 – Nov 2019**

**Python Developer**

**Responsibilities:**

* Designed the back end of the application using Python. Worked on the backend of the application, mainly using Active Records.
* Carried out various mathematical operations for calculation purposes using Python libraries.
* Used Celery with RabbitMQ, MySQL, Django and Flask to create a distributed worker framework.
* Develop consumer based features and applications using Python, Django, HTML, Web2Py, Behaviour Driven Development (BDD) and pair based programming.
* Wrote Python code embedded with JSON and XML to produce HTTP GET request, URLlib 2 for parsing HTML data from websites.
* Providing daily reports to the Development Manager and participating in both the design phase and the development phase.
* Used Test driven (TDD) approach for developing the application and Implemented the unit tests using Python Unit test framework and for Automation used Robot Framework.
* Skilled in using collections in Python for manipulating and looping through different user defined objects.
* Created PHP/MySQL back-end for data entry from Flash I had to assist the Flash developer send the correct data via query strings.
* Generated Python Django Forms, Crispy forms to record data, login and signup of online users.
* Worked on front end frameworks like CSS Bootstrap for development of Web applications.
* Used Python and Django to interface with the JQuery UI and manage the storage and deletion of content.
* Created the environment specific settings for a new deployment and updated the deployment specific conditional checks in the code base to use specific checks.
* Worked with AJAX framework to get the asynchronous response for the user request and used JavaScript for the validation.
* Used Pandas API to put the data as time series and tabular format for east timestamp data manipulation and retrieval.
* Worked extensively with Bootstrap, JavaScript and JQuery to optimize the user experience.
* Deployed the project into Google Cloud using GIT version control system.
* Built various graphs for business decision making using Python Matplotlib library.
* Executing regression tests on each release and verified bugs found from automation tests in Bugzilla and done error logging using Sentry by Raven Library.
* Performed Unit testing, Integration Testing, GUI and web application testing using Rspec.
* Planning, implementing, and converting manual test cases to automation test cases.
* Worked on Jenkins continuous integration tool for deployment of projects.

**Environment:** Python 2.7, Django 1.8, RabbitMQ, Flask,Web2Py MySQL, HTML/CSS, JSON, JQuery, RSpec, PHP, JavaScript, Pandas, Bootstrap, Google Cloud, Beautiful Soup, Bugzilla, GIT, Jenkins.