

Sr. Python Developer Sr. Python Developer Sr. Python Developer - NuStar Energy San Antonio, TX

8+years of experience in Web/Application Development as a senior Python Developer 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, SciPy, Matplotlib, python-twitter, Pandas data frame, network, urllib2, MySQL, NOSQL, 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. Working in UNIX environment in developing the application and familiar with all of its commands. Experienced in working Stretch Database feature of SQL Server 2016 for the cold data residing on on-premises SQL Server Databases can be migrated transparently and securely to Microsoft AzureCloud. Hands on Experience in Data mining and Data warehousing using ETL Tools and Proficient in Building reports and dashboards in Tableau (BI Tool). Proficient in using Amazon Web Services AWS. Extensive experience focusing on services like EC2, VPC, Cloud Watch, Cloud Front, Cloud Formation, IAM, S3, Amazon RDS, Elastic Cache, SNS, SQS. Configured AWS Identity and Access Management (IAM) Groups and Users for improved login authentication. Hands on experience in design and development of Unix Shell Scripting as a part of the ETL Process to automate the process of loading. Automate different workflows, which are initiated manually with Python scripts and Unix shell scripting. Experience in Creation and managing user accounts, security, rights, disk space and process monitoring in Solaris and Red hat Linux. Proficient in using Amazon Web Services AWS. Extensive experience focusing on services like EC2, VPC, Cloud Watch, Cloud Front, Cloud Formation, IAM, S3, Amazon RDS, Elastic Cache, SNS, SQS. Worked in agile and waterfall methodologies with high quality deliverables delivered on-time. 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    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

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    Experience with continuous integration and automation using Jenkins.

Expertise in Service Oriented Architecture (SOA) and its related technologies like Web Services, BPEL, WSDLs, SOAP1.1, XML, XSD, XSLT etc.    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. Authorized to work in the US for any employer

Work Experience

Sr. Python Developer NuStar Energy - San Antonio, TX May 2018 to Present

Responsibilities:

Worked on development of 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 in Python for extracting data from HTML file.

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 a main source of data for both customers and 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 in database.    Worked on Restful API's to access the third-party data for the internal analysis and statistical representation of data.    Used Python and Django 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 development of Web applications. Created database using MySQL, wrote several queries to extract data from database. Worked in NoSQL database on simple queries and writing Stored Procedures for normalization and renormalization. Setup automated cron jobs to upload data into database, generate graphs, bar charts, upload these charts to wiki and backup 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 Data base design, normalizations and de-normalization techniques. Involved in User Acceptance Testing and prepared UAT Test Scripts. Effectively communicated with the external vendors to resolve queries. Used and customized apache server to 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 coding 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. Python Developer Cantor Fitzgerald - New York, NY July 2017 to April 2018 Responsibilities: Responsible for creating company's internal platform called DCAE by using python to develop and test the components. Worked with various Python libraries such as Six, Click, Pandas and Matplotlib for analysis and manipulation of data. Used Click package to create the command line interface. Used Jinja2 of Flask to develop the backend and SQL Alchemy to link to the mysql database. Developing backend modules using Python on Flask Web Framework. Used Consul for Service Discovery and to create Key-Value pair. Build SQL, NOSQL queries implementing functions, packages, views, triggers, and tables. Wrote Python scripts to parse JSON files and load the data into the Consul. Making use of JSP, HTML, and XML for the designing the GUI framework and presentation stratum. Confirming the validations of the customers with the help of JavaScript. Worked on MPP data warehousing (e.g. Redshift) Cloud ETL tools (e.g. AWS data pipeline). Used

Python IDE Pycharm for developing the code and performing unit test    Designed and developed data management system using MySQL. Involved in Agile Methodologies and SCRUM Process. Automated different workflows, which are initiated manually with Python scripts and Unix shell scripting.    very good understanding of Microsoft Azure cloud platform. Experience with managing cloud delivery platforms, Azure/AWS    Used Unit testing/ Test driven Development (TDD), Load Testing    Worked on design and development of Unix Shell Scripting as a part of the ETL Process to automate the process of loading.    Designed and developed the framework to consume the web services hosted in Amazon EC2 instances.    AmazonEC2is also used for deploying and testing the lower environments such as Dev, INT and Test    Used Spring Cloud AWS Core, Spring Cloud AWS Context, and Spring Cloud AWS Messaging.    Involved in development using Python, bug fixing    Developed web-based applications using Python, Django, XML, CSS, HTML, DHTML    Developed entire frontend and backend modules using Python on Django Web Framework    Part of the SOA (Service Oriented Architecture) team enforcing best practices for services ( REST and SOAP).    Wrote several PL/SQL procedures and SQL queries to retrieve data from database.    Used AWS for application deployment and configuration    Responsible for Design and maintenance of databases using Python.    Developed Python based APIs by using Flask, SQL Alchemy and PostgreSQL    Worked on HTML5, CSS3, JavaScript, AngularJS, Node.JS, Git, REST API, IntelliJ IDEA    Development of real-time multi-tasking systems using Python    Created data access modules in python    Involved in Developing a Restful API'S service using Python Flask framework.

Environment: Python 3.x, Django 1.9, Flask, NOSQL,Unix,AWS, MongoDB, SQLAlchemy, AWS, Consul, HTML, JSP, AJAX, PL/SQL, MYSQL, Agile, Linux, GIT. Python Developer HMS Holdings Corp New York City - New York, NY August 2015 to June 2017 Responsibilities:    Design, develop, test, deploy and maintain the website.    Designed and developed the UI of the website using HTML, AJAX, CSS and JavaScript, Node.JS    Designed and developed data management system using MySQL    Used Django Database API's to access database objects.    Wrote python scripts to parse XML documents and load the data in database.    Used JQuery for all client side JavaScript manipulation.    Worked on MongoDB database concepts such as locking, transactions, indexes,

Sharding, replication, schema design. Used Spring Cloud AWS Core, Spring Cloud AWS Context, and Spring Cloud AWS Messaging. Designed and developed the framework to consume the web services hosted in Amazon EC2 instances. AmazonEC2 is also used for deploying and testing the lower environments such as Dev, INT and Test. Web-services backend development using Python (Django, SQLAlchemy) Dealt with development of parsers for handling JSON, XML responses and JAXB binding and worked with JMS (java messaging service) for asynchronous communication. Worked extensively with Bootstrap, JavaScript, and JQuery to optimize the user experience Used Python and Django to interface with the JQuery UI and manage the storage and deletion of content Involved in Developing a Restful API'S service using Python Flask framework Involved in development of Web Services using SOAP for sending and getting data from the external interface in the XML format Performed coding in C on Linux Platform Build SQL, NOSQL queries implementing functions, packages, views, triggers, and tables Responsible for debugging the project monitored on JIRA (Agile) Developed in Windows and going to deploy it in Linux server Experience with working on Linux server and Created scripts for data modeling and data import and export Created unit test/regression test framework for working/new code Using Subversion control tool to coordinate team-development Python/Bash Scripting for automation and monitoring system processes Developed entire frontend and backend modules using Python on Django Web Framework. Responsible for debugging and troubleshooting the web application Experience with Unit testing/ Test driven Development (TDD), Load Testing Experience with continuous integration and automation using Jenkins Involved in entire lifecycle of the project including Design, Development, and Deployment, Testing and Implementation and support.

Environment: Python 2.7, Django,AWS, C, JQuery, MySQL, Linux, Eclipse, JSP, PL/SQL, NOSQL, HTML, XHTML, SVN, CSS, AJAX, Bugzilla, JavaScript, SQLAlchemy, Apache Web Server. Python Developer Satellite Healthcare - San Jose, CA October 2014 to July 2015 Responsibilities: Used Django framework for application development Running Robot Framework on Python using the ipybot runner script Assisted in reduction of cost and optimization of supplier selection for the CRM Applications Used Graphical User Interface Testing and API driven Testing Making use of JSP,

HTML, and XML for the designing the GUI framework and presentation stratum. Confirming the validations of the customers with the help of JavaScript      Used several python libraries like wxPython, numPY and matPlotLib      Using features that support complex data structures, first class functions by using PERL      Implementing Robot Framework using python      Developed backend modules using Python on Django Web Framework      Generated property list for every application dynamically using python      Using Subversion version control tool to coordinate team-development      Used Pandas API to put the data as time series and tabular format for east timestamp data manipulation and retrieval      Designed and developed data management system using MySQL      Created Python and Bash tools to increase efficiency of call centre application system and operations; data conversion scripts, REST, JSON, and CRUD scripts for API Integration.

Environment: MySQL, HTML, Python 2.7, Django 1.8, HTML5, JSP, Perl5, CSS, XML, MySQL, MS SQL Server, JavaScript, AWS, Linux, Shell Scripting, AJAX, urllib , urllib2, Json, CherryPy, Unix, Redis, Bootstrap ,Mongodb, SQLAlchemy, JQuery. Java, Python Developer Optum Inc - West Valley City, UT June 2012 to September 2014 Responsibilities:      Developed entire frontend and backend modules using Python on Django Web Framework.      Designed and implemented several drag and drop functionalities for various elements using Swing, Java AWT.      Wrote several PL/SQL procedures and SQL queries to retrieve data from database.      Designed and developed several complex SQL queries. Used explain plan for slow running queries and made necessary changes to code to expedite the query execution.      Experience with Core java with strong understanding and working knowledge of Object Oriented Concepts(OOPS) like Collections, Multi-threading, Exception Handling, Reflection      Established JDBC connections for data retrieval and update.      Involved in making GUI (JSP, HTML, and JS) and java classes using Struts Framework.      Used Struts framework to implement J2EE design pattern (MVC)      Worked with millions of database records on a daily basis, finding common errors and bad data patterns and fixing them      Exported/Imported data between different data sources using SQL Server Management Studio.      Maintained program libraries, user's manuals and technical documentation.      Managed large datasets using Panda data frames and MySQL      Wrote and executed various MYSQL database queries from Python using

Python -MySQL connector and MySQL package      Designed and developed data management system using MySQL. Involved in Agile Methodologies and SCRUM Process.      Involved in writing complex SQL queries to filter the data and fetch data to Tableau desktop in order to generate reports      Carried out various mathematical operations for calculation purpose using Python libraries

Built various graphs for business decision making using Python matplotlib library      Performed troubleshooting, fixed and deployed many Python bug fixes of the two main applications that were a main source of data for both customers and internal customer service team      Implemented code in Python to retrieve and manipulate data      Used Django configuration to manage URLs and application parameters      Used Bootstrap as a mechanism to manage and organize the html page layout      Environment: Python, Java/J2EE, Perl5, PyUnit, Node.js, XML, MS Visio, MS Project, JIRA, Apache, Git, UML, SQL, Tableau, PL/SQL, Windows and Linux, Agile. Java, Python Developer IBM - New York, NY February 2010 to May 2012 Responsibilities:      Requirement study, design, develops, and test      software using the latest technologies.      Think ahead: Lay out the future vision, ability to anticipate what's coming next, and plan towards it.      Manage the day to day execution, work assignment, tracking.      Working within an Agile team to develop,      test, and maintain applications.      Willing to give and receive honest feedback Education Bachelor's

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