Sr. Python Developer

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Visa: Green Card

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Summary:

• Over 9+ Years of combined work experience in Analysis, Design, Web Application Development, Management and Implementation of various stand alone, client-server enterprise applications.

• Extensive experience in Text Analytics, developing different Statistical Machine Learning, Data Mining solutions to various business problems and generating data visualizations using R, Python and Tableau.

• Good experience in software development using Python and using its libraries and modules like NumPy, SciPy, Pandas, Pickle, Jupyter

• Experience in Shell Scripting's Server, Unix and Linux, Open stack and Expertise Python scripting with focus on Devops tools, CI/CD and AWS Cloud Architecture.

• Experience in implementing server side technologies with RESTful APIs and MVC/MVT design patterns using Django/Flask frameworks.

• Having experienced in Agile Methodologies, Scrum stories and sprints

• Experienced in developing web-based applications using Python, Django, AWS, WSGI, PostgreSQL, Redis, HTML, CSS, JavaScript, JQuery, and XML.

• Extensive experience in designing MongoDB multi-sharded cluster and monitoring with MMS.

• Experience in using Docker and Amazon web services (AWS) infrastructure with automation and configuration management tool such as Ansible.

• Experienced in MVW frameworks like Django, React.js, Angular.js, JavaScript, JQuery and Node.js.

• Expert knowledge and experience in Object oriented Design and Programming concepts.

• Proficient in SQL databases MySQL, PostgreSQL, Oracle, couchbase and NoSQL databases MongoDB, Cassandra, HBase.

• Experience with Web Services(SOAP, REST). Effective in executing multiple tasks and assignments ahead of schedule.

• Well versed in writing test cases using Nose, unit test and Robot test frameworks Excellent experience with Python development under Linux/Unix OS (Debian, Ubuntu, SUSE Linux, Red Hat Linux, Fedora) and Windows OS.

• Hands on experience in SVN, Git, JIRA, Bugzilla, Amazon EC2/S3.

• Experience in design and manage API system deployment using fast http server and Amazon AWS architecture.

• Experience with Configuring AWS EC2 instances, EMR cluster with S3 buckets, Auto-Scaling groups and CloudWatch.

• A Self-starter with a positive attitude, willingness to learn new concepts and acceptance of challenges.

Sr. Python Developer

CBRE – Dallas, TX

May 2021 to present

Responsibilities:

• Developed views and templates with Python and FLASK view controller & Templating language to create a user-friendly website interface.

• Established DevOps protocols, integrated collaborative Git, & deploying fully tested production features

• Worked on rebranding the existing web pages to clients according to the type of deployment.

• Experience in AWS ~ Amazon EC2, Amazon S3, Amazon Redshift, Amazon EMR and Amazon SQS.

• Used GIT for the version control and deployed project into AWS.

• Implemented a Continuous Delivery pipeline with Docker, Jenkins and GitHub (Bitbucket)

• Implemented Spark applications by using PySpark modules to connect the data sources and processed by using PySpark core RDDs and SQL DataFrames .

• Developed and tested many features for dashboard using Python and Bootstrap.

• Familiar with MongoDB clusters, performance, backup and recovery.

• Worked on Migrating data from Django ORM to MySQL database with complete data integrity.

• Implemented client-side Interface using React JS.

• Managed datasets using Panda data frames and MySQL, queried MYSQL database queries from. Python using Python-MySQL connector MySQLdb package to retrieve information.

• Implemented Mock REST API using express framework in Node JS

• Development of Web Services using SOAP for sending and getting data from the external interface in the XML format.

• Developed entire frontend and backend modules using Python on Django Web Framework.

• Scraping website using Python Beautiful Soup, and then parsed it with XML.

Environment: Python 2.7/3.0, Django, XML, Hadoop, AWS Lambda, Angular 5, AWS, ETL, HDFS, flask, HBase, mongo DB, Agile, SCRUM, PyUnit, Apache, Splunk,CSS, MySQL, DHTML, HTML, JavaScript, AngularJS, Shell Scripts, Git, Linux, Unix and Windows, PySpark, Pandas

Sr. Python Developer

PepsiCo – Plano,TX

May 2018 to April 2021

Responsibilities:

• Implemented different python libraries NumPy, SciPy, PyTables, matplotlib, python-twitter, Pandasdata frame and urllib2 in various tasks

• Developed programs to automate the testing of RAID controller firmware and utilities using Python, Java, Bash script, Windows command line.

• Developed Complex transformations, Mapplets using Informatica to Extract, Transform and load (ETL) data into Data marts, Enterprise Data warehouse (EDW) and Operational data store (ODS).

• Used Jenkins pipelines to drive all micro services builds out to the Docker registry and then deployed to Kubernetes, Created Pods and managed using Kubernetes

• Implemented data analysis with various analytical tools such as Python/SQL, Pandas, NumPy,

Matplotlib, Statsmodels, Gensim, Jupyter Notebook,

• Developed a portal to manage and entities in a content management system using Flask

• Wrote Unit test cases for unit, integration, and functional tests, run automatically by Hudson/Jenkins in the builds triggered by each push to Git

• Migrated Django database from SQLite to MySQL to PostgreSQL with complete data integrity

• Experienced in implementing data analytics solutions in AWS (EC2, EMR. S3, Cloudwatch, Lambda, Cloudtrail, Redshift, RDS, Root53), Google Cloud, Microsoft Azure.

• Designed, developed, coded and worked in penetration testing in customized DOL-AWS GovCloud Node.js Security Monitoring of VPC Zones using AWS - Lambda to load customized Spark-Scala GraphX Application.

• Build the evaluation model in Cloudera workbench workspace by levering the machine learning models (NLP, Logistic model, decision trees) by python/pyspark

• Used AWS RDS, lambda, for database configuration.

• Developed Lambda scripts to automate ETL Jobs Used Python OS module on UNIX environment, made job cloning and forking.

• Using mongo DB to take care of the back-end calls with a lightning fast speed

• Used Pandas library for statistical Analysis

• Utilized Apache Spark with Python to develop and execute Big Data Analytics and Machine learning applications, executed machine Learning use cases under Spark ML and Mllib.

• Worked on JavaScript MVC frameworks like Angular,js, React.js, OpenStack

• Analyzed the sql scripts and designed it by using Spark SQL for faster performance.

• Used other packages such as Beautiful soup for data parsing

• Used Python modules such as requests, urllib, urllib2 for web crawling

• Worked on writing and reading data from csv and excel file formats in python.

• Built docker containers to sandbox python WSGI Apps.

• Used Apache Couchbase (NoSQL) in AWS Linux instance in parallel to RDS MySQL to store and analyze job market info.

• Creating restful web services for Catalog and Pricing with DjangoMVT, Jersey, MySQL, and MongoDB.

• Worked on python scripts to parse XML documents and load the data in database

Environment: Python 2.7/3.0, Django, XML, Hadoop, AWS, ETL, HDFS, flask, HBase, mongo DB, Agile, SCRUM, PyUnit, Apache, Jenkins, Redshift, Docker, CSS, Lambda, Azure, MySQL, DHTML, HTML, JavaScript, AngularJS, React.js, Shell Scripts, Git, Linux, Unix and Windows, Spark, Pandas

Python Developer

Bank of America – Charlotte,NC

August 2016 – March 2018

Responsibilities:

• Developed the presentation layer using HTML, CSS, JavaScript, React, JQuery and AJAX.

• Utilized Python libraries wxPython, numPY, Pandas, Twisted and matPlotLib.

• Implemented SQL Alchemy which is a python library for complete access over SQL.

• Developed views and templates with Python and Django's view controller and templating language to created user-friendly website interface.

• Created entire application using Python, Django, MySQL and Linux.

• Installed, configured, and managed the AWS server.

• Accessed database objects using Django Database APIs.

• Worked on python based test frameworks and test driven development with automation tools.

• Developed Docker container based micro services using Spring Boot and deployment on Kubernetes cluster.

• Developed server side application to interact with database using Spring Boot.

• Worked in DevOps group running Jenkins in a Docker container with EC2 slaves in Confidential AWS cloud configuration. Also gained familiarity with supporting technologies like kubernetes.

• Implemented advanced procedures like text analytics and processing using the in-memory computing capabilities like Apache Spark written in Scala.

• Loaded the log data and data from UI apps into Hadoop lake using Apache Kafka service.

• Implemented multiple AWS services in integration with Cloud Watch, Lambda, and Elastic Load Balancer (ELB). Manage the configurations of multiple servers using Ansible.

• Maintained and developed Docker images for a tech stack including Cassandra, Apache, and several in house written python services running in Google Cloud Platform(GCP) on Kubernetes.

• Good experience in Shell Scripting, SQL Server, UNIX and Linux, Open stock and Expertise python scripting with focus on DevOps tools, CI/CD and Google cloud platform.

• Automated various infrastructure activities like Continuous Deployment, Application Server setup,

• Using version control tool - Git with Jenkins to accumulate all the work done by team members.

• Performed web testing automation using selenium API.

• Worked on data processing with MongoDB as a source and target database.

• Used a micro service architecture, with Spring Boot-based services interacting of REST and Kafka.

Environment: Python, Django,Spring boot, CSS, HTML, JavaScript, JQuery, AJAX, MYSQL, Linux, GIT.va, JQuery, MySQL, Couchbase, Linux,GCP, Kafka, mongodb, Jenkins, Dockers, Lambda, Pandas, Cassandra, Hadoop, Eclipse, Perl, Matlab, Shell Scripting, Spark

Python Developer

RENCI – Chapel Hill,NC

November 2014 - July 2016

Responsibilities:

• Designed User Interfaces using BackboneJS, ReactJS, JQuery, Bootstrap, JavaScript, CSS, XML and HTML.

• Worked on Airflow scheduler executes tasks on an array of workers while following the specified dependencies.

• Used Kubernetes to deploy scale, load balance, scale and manage Docker containers with multiple name spaced versions.

• Created UI using HTML CSS and Javascript and monitored and trouble shooted the data loading problems of word Informatica. Implemented Django MVC architectural design pattern.

• Used Backbone Js as the development framework to build the User Interface.

• Design, investigation and implementation of public facing websites on Amazon Web Services AWS.

• Used Pandas library for statistics Analysis. Used Numpy for Numerical analysis for Insurance premium and managed large datasets using Panda data frames and MySQL.

• Developed dynamic Django and flask web apps utilizing CSS, HTML5, Javascript and MySQL

• Python/Django based web application, PostgreSQL DB, and integrations with 3rd party email, messaging, storage services.

• Managed large datasets using Panda data frames and MySQL.

• Worked Integration of Amazon Web Services AWS with other applications infrastructure.

• Created database schemas that represent and support business processes.

• Used SOA framework with hibernate to map oracle database.

• Designing, implementing, and maintaining solutions for using Docker, Jenkins, Git, and Puppet for microservices and continuous deployment.

• Delivered automated solutions for science models

Environment: Python, Bootstrap, React, SOAP, REST, NodeJS, AWS, Django REST, MULESOFT, Flask, Django, JBoss, PyCharm, Docker, Oracle 10g/11g, XML, Java Script, CSS, HTML, GIT, pandas, Slack, Jenkins, Informatica, Boilerplate, DORA (employer), Postgres, OSX, Agile, JIRA, Crucible, Atlassian, Any Point Studio, Spark

Python Developer

Advantage Solutions – Austin, TX

Dec 2012 - October 2014

Responsibilities:

• Implemented user interface guidelines and standards throughout the development and maintenance of the website using the HTML, CSS, JavaScript and JQuery.

• Developed views and templates with Python and Django's view controller and templating language to create a user-friendly website interface.

• Managed local deployments in Kubernetes, creating local cluster and deploying application containers.

• Working with backend python automation, CI pipelines, Docker and cloud provisioning/automation.

• Developing server based web application to determine patient journey using Flask.

• Scheduled, deployed and managed container replicas onto a node cluster using Kubernetes.

• Worked in design and developing Application leveraging MongoDB.

• Developed internal API's using node.js, and used MongoDB for fetching the schema.

• Worked on Node.js for developing server-side web applications.

• Refactor Python/Django modules to deliver certain format of data.

• Used Bootstrap front-end framework for faster and easier web development with MySQL.

• Built the web application by using Python, Django, AWS, J2EE, Postgre SQL, MySQL, Oracle 10g and MongoDB.

• Image manipulation backend services for real time use as RESTful API

• Automated the existing scripts for performance calculations using Numpy and SQL alchemy.

• Development of Python APIs to dump the structures in the Processor at the failure point for debugging.

Environment: Python, Django, XML,chef, Java, AWS, Kafka, Angularjs, CSS,PostgreSQL, MySQL, JSON, DHTML, HTML, JavaScript, Shell Scripts, Spark agile, Microservices, Restfull , UNIX and Windows.