***Venkata***

***Sr. Python Developer***

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**SUMMARY:**

* 10+ years of experience as a Python Developer in IT Industry with proficiency in Design & Development of Python, Java/J2EE, Django, flask projects.
* Hands on experience in Managing, developing, and designing a dashboard control panel for customers and Administrators using Django, HTML, CSS, JavaScript, Bootstrap, jQuery and RESTAPI calls.
* Skilled experience in Python with proven expertise in using new tools and technical developments (libraries used: libraries- Beautiful Soup, Jasy, NumPy, SciPy, matplotlib, Pickle, PySide, python-twitter, Pandas, networks, urllib2, MySQL dB for database connectivity) to drive .com
* Good experience in developing web applications implementing Model View Control architecture using Django, Flask, Pyramid and Zope Python web application frameworks.
* Good knowledge on front end frame works like CSS Bootstrap.
* Experience in implementing python alongside using various libraries such as matplotlib for charts and graphs, MySQL dB for database connectivity, python-twitter, Pandas data frame, network.
* Good experience in developing web applications and implementing Model View Control (MVC) architecture using server-side applications like Django, Flask and Pyramid.
* Experienced in MVW frameworks like Django, Angular JS, Java Script, JQuery and Node.js.
* Expertise in python scripting with focus on Develops tools, CI/CD and AWS Cloud Architecture and hands-on Engineering.
* Developed a GraphQL backend Node.js app using the Micro Apollo library and deployed it on AWS Lambda via Apex Up.
* Knowledge about setting up Python REST API framework using Django.
* Experience in working with Python ORM Libraries including Django ORM.
* Excellent experience in Python development under Linux OS (Debian, Ubuntu, SUSE, RedHat Linux, Fedora)
* Experience with Design, code, and debug operations, reporting, data analysis and web applications utilizing Python.
* Good Knowledge in implementation of Python best Practices (PEP-8).
* Experienced in developing test automation framework with Python scripting& Selenium.
* Having experienced in Agile Methodologies, PCI, Scrum stories and sprints experience in a Python based environment, Data analytics, data wrangling and Excel data extracts.
* Wrote python scripts to parse XML and JSON data and load the data into the database.
* Experience in developing web-based applications using Python, Django, Flask, REST, JSON, CSS, HTML5, JavaScript, Angular, and React, and good experience in using ORM
* Extensive Experience with Django, a high-level Python Web framework
* Experience in implementing Model View Control (MVC) architecture using server-side applications like Django, Flask and Pyramid for developing web applications.
* Experience with object-oriented programming (OOPS) concepts using Python.
* Worked on Python Testing frameworks like zone, Pytest, and Robot framework.
* Familiar with Automating, Configuring, and deploying instances on AWS, Azure environments, and Data centers also familiar with EC2, d watch, Cloud Formation, and managing security groups on AWS.
* Building and Installing servers through ARM Templates for Azure Portal.
* H ands-on technical experience and seasoned Azure Infrastructure and migration to Azure.
* VPN solutions in Azure with the help of Network Security Groups, public and private network configurations.
* Good Experience in Linux Bash scripting and following PEP Guidelines in Python.
* Experienced in developing and executing manual and automated tests in different platforms using Python Pytest/Unit test/ library.
* Excellent experience in Cold Fusion Web Services, SOAP, WSDL and UDDI using WebLogic.
* Extensive experience in designing MongoDB multi-shared cluster and monitoring with MMS.
* Experience in creating and deploying Puppet modules and strong experience in developing web-based applications using JavaScript, jQuery, JSON, Bootstrap, Angular JS, HTML5, CSS, CSS3, XML.
* Sound knowledge on Selenium Test Framework to automate the Web applications testing process.
* Experience in writing Sub Queries, Stored Procedures, Triggers, Cursors, and Functions on MySQL and PostgreSQL database.
* In depth exposure to creating API for internal and external application using REST and SOAP based design.
* Experience in developing SOAP and RESTful web services and basic knowledge of TCP/IP Network and Socket programming.
* Experienced in using NoSQL databases like Apache Cassandra and MongoDB and intinymce plugins for text editing and Worked with web services API integration (REST, JSON, XML).
* Experience in installation and administration of Open Stack components and proficient with continuous integration and automation using Jenkins.
* Good experience of software development in Python (libraries used: Beautiful Soup, NumPy, spicy, matplotlib, python-twitter, Pandas data frame, network, MySQL dB for database connectivity).
* Extensive experience in Amazon Web Services (Amazon EC2, Amazon S3, Amazon Simple DB, Amazon RDS, Amazon Elastic Load Balancing, Amazon SQS, AWS Identity and access management, AWS Cloud Watch, Amazon EBS and Amazon Cloud Front).
* Hands on experience in Designing and developing API's for the application using Python, Flask, AngularJS and PostgreSQL.

**TECHNICAL SKILLS:**

Programming Languages: Python 2.7 / 3.7, Java/J2EE, JavaScript, PHP, C#, C, C++, SQL, PL/SQL.

Frameworks: Django, Celery, MongoDB, AngularJS, Django Rest Framework, Flask, Hibernate, Spring MVC, ASP.NET MVC, Git.

Web Technologies: Node.js, ReactJS, HTML5, JSP, XHTML, CSS3, Bootstrap, XML, JSON, JQuery,

 JQuery UI, Ajax, WebServices, REST API's

Databases: MySQL, NoSQL, PostgreSQL, MS-SQL, Oracle (10G,11G).

Platforms: Linux, Unix, Windows.

Tools & IDE: Selenium, Eclipse, NetBeans, Visual Studio, Netezza.

Web Servers: Web Sphere, Web Logic, Apache Tomcat.

Python Libraries: Pandas, NumPy, Shell, Unit Test, JSON, CSV, XLS, Perl, Bash

Linux Versions: Hypervisors: Ubuntu, Red Hat, VM Ware, KVM, Hyper-V, Centos.

Key Areas: PIP, Ansible, Puppet, Chef.

**WORK EXPERIENCE:**

**Client: State of Tennessee – Department of Health, Nashville, TN January, 2023 – Till Date**

**Role: Sr. Python Developer**

**Responsibilities:**

* Developed views and templates with Python and Django's view controller and templating language to create a user-friendly website interface.
* Designed front end and backend of the application using Python on Django Web Framework.
* Use Python unit and functional testing modules such as unit test, unittest2, mock, and custom frameworks in-
* Designed, developed, coded, worked in penetration testing and implemented a concurrent – multi-parallel – event oriented-processing - AKKA Actor System and Actors; to consume Scala Spark-SQL Rules which aggregated data to produce Quality Performance Reports (QPR) on Fiscal projections against Apprentice and Intern Job data.
* 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 Graph Application.
* Re-designed and transformed menu backend service to a containerized distributed service.
* Overhauled codebase to increase fault tolerance, scalability, and performance
* Involved in QBOT activity for multiple release like 13B,14B,15B,15BDP and Integration form multiple platforms like SSAS, SSRS, IM, NHK, Spitfire, EVR.
* Developed a Restful service using Python Flask framework.
* Used Python Flask framework to build modular and maintainable applications.
* Developed Restful Microservices using Flask and Django and deployed on AWS servers using EBS and EC2.
* Worked on several python packages like Paramiko, re (Regular Expression) and sockets to automate scripts.
* Developed a fully automated continuous integration system using Git, Gerrit, Jenkins, MySQL and custom tools developed in Python and Bash.
* Developed CI/CD pipelines for code deployment of python microservices and server-based applications.
* Experience in designing automations to solve problems and create solutions using Groovy, Shell and Python.
* Build numerous Lambda functions using python and automated the process using the event created.
* Developed Business Logic using Python on Django Web Framework.
* Worked in Test driven development with Behave in Python and created Behave scripts using Gherkin syntax.
* Experience in API and Webhook development using Python, Ruby, PowerShell and Shell Scripting languages.
* Developed PowerShell scripts to automate the project creation, setting permissions for users, groups in TFS. Developed automation scripting in Python using Chef to deploy & manage Java .Net applications across Linux/Windows servers.
* Developed automated testing framework for command-line based tests on Linux using Objected Oriented Perl and for selenium-based tests using Python.
* Build Back-end support for Application from ground up using Python, Shell scripts & Perl.
* Implemented CI/CD pipeline using Nexus, bitbucket and groovy to develop and deploy applications in a continuous delivery and reduce manual intervention in the deployment process. Also, deployed application to upper laned by CICD automation using ansible tower and delivered the high-speed deployments for the application team and business. Also assisted and worked in different sub-projects, end to end CI-CD setup for technologies like database, Informatica, Python, SQLLDR technologies.
* Worked on Python script to enable Open VPN 3 Client Services.
* Worked on Python script to load updated packages in NFVI client adapter and change configurations.
* Worked on Python scripts for deploying SAE solutions in an automated way and configure NSO with any new data including NSO in HA.
* Developed a GUI application using python and Bank of America's Quartz environment that categorized TBA securities and monitored their net trading volume in real-time in terms of 10-year equivalents.
* Worked in Apache CGI, Cherrypy, python and Bash programming on Red Hat virtual machines to maintain and automate Splunk server deployments and other in-house IT operations.
* Designed logic for semantic procedures and aggregate tables using standard SQL/PLSQL.
* Developed Python scripts to monitor health of Mongo databases and perform ad-hoc backups using Mongo dump and Mongo restore.
* Full stack development using Node.js, Express, Angular, Pug, MongoDB, and Microsoft Azure.
* Managed Azure Automation Assets, Graphical runbook, PowerShell runbook that will automate specific tasks, deployed Azure AD Connect, and involved in administrative tasks that include Build, Design, Deploy of Azure environment.
* Deployed ASP.NET web Application in Azure using Web App service, connected it to Azure SQL Database and used Azure DevOps (VSTS) to provide CI/CD pipeline and created Azure Active Directory (AD) tenants and managed to restrict the access to Azure DevOps.
* Developed Python Django forms to record data and the Login module page for users.
* Designed email marketing campaigns and created interactive forms that saved data into database using Django Framework.
* Developed Business Logic using Python on Django Web Framework.
* Django Framework was used in developing web applications to implement the MVT.
* Rewrite existing Python/Django modules to deliver certain format of data.
* Wrote and executed various MySQL database queries from Python-MySQL connector and MySQL db. Package
* Used PyUnit, the Python unit test framework, for all Python applications.
* Worked with LAMP (Linux, Apache, MySQL, and Python) Architecture.
* Involved in Python OOD code for quality, logging, monitoring, and debugging code optimization as well as wrote Python modules to view and connect the Apache Cassandra instance.
* Utilized standard Python modules such as csv, robot parser, itertools and pickle for development.
* Experience in setting up App pools and web sites in Python.
* Designed and developed the UI of the website using HTML5, AJAX, CSS3 and JavaScript.
* Used Pandas library for statistics Analysis and developed web pages using ASP. Net, C#, HTML, CSS, AJAX, Java Script, JQuery and IIS. Used ADO.NET Enterprise Library to connect with SQL Server Database.
* Developed entire frontend and backend modules using Python on Django Web Framework.
* Being a Full Stack developer, created a custom CMS built using Django, AWS (Amazon web service), REST, Json with JavaScript++, JQuery, AJAX components, worked closely with designer. Converted Photoshop images into XHTML/CSS.
* Implemented a selectable template structure in Django making it possible to change the HTML layout and design based on site URL and /or domain.
* Developed new and innovative applications using Python –Django| WxPython | Enaml and other python libraries like Panda, BeautifulSoap and NumPy that were based on principles of Test Driven Development (TDD) and Parallel Programming.
* 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.
* Involved in debugging the applications monitored on JIRA using agile methodology and developed efficient Angular.js for client web based application.
* Deployed production site using Apache 2.0 with mod python.
* Successfully migrated the Django database from SQLite to MySQL to PostgresSQL with complete data integrity.
* Worked on MongoDB database concepts such as locking, transactions, indexes, Sharding, replication, schema design.
* Worked with the Biz team and BPR to review the list of new changes required and prepared the LOE of the various phases of the project.
* Hands on experience in creating tables, Analytical views, Attributes views and procedures in SAPHana DB.
* Used Django evolution and manual SQL modifications was able to modify Django models while retaining all data, while site was in production mode.
* Lead the team in development of the harassers using the Python which involved development of several flows and state machines in the memory controller.
* Involved in Development of Python APIs to dump the array structures in the Processor at the failure point for debugging as well as development of the break point tool using Perl and Java User Interface.
* Worked with team of developers on Python applications for RISK management.

**Environment:** Python 3.7, Django, Flask, Azure, CSS, HTML, HTTP, JSON, NumPY, Panda, AWS, PostgreSQL, MVC, Eclipse, MySQL, REST, Shell scripting, Sublime, Pycharm, SQLite, web services, XHTML, XML.

**Client:** **PG&E – Portland Gas and Electric – Portland, OR December, 2020 – December, 2022**

**Role: Sr. Python Developer**

**Responsibilities:**

* Participated in requirement gathering and worked closely with the architect in designing and modeling.
* Developed entire frontend and backend modules using Python on Django Web Framework.
* Developed tools using Python, Shell scripting, XML to automate some of the menial tasks.
* Used Pyqt for the functionality filtering of columns helping customers to effectively view their transactions and statements. Implemented navigation rules for the application and page.
* Performed testing using Django’s Test Module.
* Used Django configuration to manage URLs and application parameters.
* Involved in Web development, programming, and engineering Django, UWSGI and SQL internal admin tools behave BDD.
* Used Python and Django to interface with the jQuery UI and manage the storage and deletion of content.
* Developed a fully automated continuous integration system using Git, Jenkins, MySQL and custom tools developed in Python and Bash.
* Generated Python Django forms to record data of online users and used PyTest for writing test cases.
* Recorded the online users' data using Python Django forms and implemented test case using PyTest.
* Worked on Python Open stack API's, used Python scripts to update content in the database and manipulate files
* Designed and deployed machine learning solutions in Python to classify millions of previously unclassified Twitter users into core data product.
* Performed Data mapping between source systems to Target systems, logical data modeling, created class diagrams and ER diagrams and used SQL queries to filter data
* Used various techniques using R data structures to get the data in right format to be analyzed which is later used by other internal applications to calculate the thresholds.
* Applied various machine learning algorithms and statistical modeling like decision tree, logistic regression, Gradient Boosting Machine to build predictive model using scikit-learn package in Python
* Designed and developed the UI of the website using HTML, XHTML, AJAX, CSS and JavaScript, also used Bootstrap as a mechanism to manage and organize the html page layout
* Wrote and executed various MYSQL database
* db package.
* Created a full web stack using AWS Infrastructure (Beanstalk, multiple lambdas, Amazon Aurora, API Gateway etc) to create a fully functioning API using GraphQL technology with multiple data sources.
* Worked with React.js, GraphQL and node.js full stack development.
* Involved in GraphQL server, created model, resolver, and schema to interact with client-side
* Worked on deploying Linux SuSE 10, 11 and 12 versions.
* Upgraded from Linux SuSE version 10 to 11 and from 11 to 12.
* Implemented Okta Single Signon Authentication for several applications making using of Python SDKs, SAML and OpenID Connect.
* Implemented new metrics on the MedeAnalytics' Software as a Service (SaaS) Patient Access Analytics platform.
* Hand-on experience in Microsoft Azure cloud platform and merge with python
* Azure cloud Merge with python to store the data into cloud with High security.
* Working on the migration of mobile application from skava to cloud (Google Cloud) by making the chunk of code to microservices.
* Hands on experience in Rest APIs, AWS, Open Shift, perl, BDDPL/SQLAmazon Web Services AWS provisioning and good knowledge of AWS services like EC2, S3, Red shift, Glacier, Bamboo, ELB (Load Balancers), RDS, SNS, SWF and EBS etc and Azure.
* Provision RHEL and SUSE server for SAAS based application leveraging chef recipes.
* Development of new IPTV/IP Video SaaS lines of business for major satellite operators (Intelsat, SES); Enterprise
* Used PySpark-SQL to load JSON data and create schema RDD, Data Frames and loaded it into Hive Tables and handled Structured data using Spark-SQL.
* Developed views and templates with Python and Django's view controller and templating language to create a user-friendly interface using MVC architecture.
* Utilized Python Libraries like Boto3, NumPy for AWS. Used Pandas library for statistical Analysis
* Used Python and Django to interface with the jQuery UI and manage the storage and deletion of content.
* Worked with team of developers on Python applications for RISK management
* Using Git version control tool to coordinate team-development.
* Implemented machine learning schemes using Python libraries scikit-learn and SciPy.
* Implemented PySpark using Python and utilizing data frames and temporary table SQL for faster processing of data.
* Worked on several python packages like Matplotlib, Pillow, NumPy, SQL Alchemy, and sockets.
* Implemented AWS high availability using AWS Elastic Load Balancing (ELB), which performed balance across instances.
* Designed and managed API system deployment using fast http server and Amazon AWS architecture
* Creation of Python scripts for data access and analysis (Scripts, DataFeeds, XLS, FIXML) to aid in process and system monitoring, and reporting.
* Rewrite existing Java application in Python module to deliver certain format of data.
* Wrote Python scripts to parse XML documents and load the data in database.
* Generated property list for every application dynamically using Python.
* Also, used Bootstrap and Angular.js as a mechanism to manage and organize the HTML page layout.
* Responsible for search engine optimization to improve the visibility of the website.
* Designed and developed the UI of the website using HTML5, XHTML, AJAX, CSS3 and JavaScript.
* Handled all the client-side validation using JavaScript.
* Worked on building RESTful and GraphQL APIs.
* Designed and developed data management system using MySQL.
* Created a Gi repository and added the project to GitHub.
* Build development environment with JIRA.
* Creating unit test/regression test framework for working/new code.
* Using Subversion version control tool to coordinate team-development.
* Responsible for debugging and troubleshooting the web application.

**Environment:** Python, Django, Java, AngularJS, Bootstrap, libraries - (NumPy, SciPy, Pandas, SNMP, PyCharm, PyQuery, Matplotlib), AWS, Bash, PyQt, XML, Shell Scripting, MySQL, HTML, XHTML, CSS, GraphQL, AJAX, JavaScript, Jenkins, Apache Web Server, Linux, SQL Alchemy, MVC, Linux Suse, HTML5, Scala, Ansible, OAuth 2.0, Google Suite, Slack, OIDC, Kubernetes, Kafka, Shell Scripting, JSON, Apache Web Server, SQL, UNIX.

**Client:** **Bank of America – Charlotte, NC July, 2019 – November, 2020**

**Role: Sr. Python Developer**

**Responsibilities:**

* Developed back-end components using Python 3.7 on Django 1.7 framework and front-end using HTML5, CSS/CSS3, JavaScript to improve responsiveness and performance of Web application.
* Understanding of SQL queries and database management system such as PostgreSQL.
* Worked on application using python integrated IDEs like Eclipse, IntelliJ, Sublime Text and PyCharm.
* Installed data sources like SQL-Server, Cassandra and remote servers using the Docker containers as to provide the integrated testing environment for the ETL applications.
* Written Ansible Playbooks with Python SSH as the Wrapper to Manage Configurations of Azure Nodes and Test Playbooks on Azure instances using Python SDK and automated various infrastructure activities like continuous deployment, application server setup, stack monitoring using Ansible playbooks.
* Azure cloud Merge with python to store the data into cloud with High security.
* Worked on google cloud platform (GCP) services like compute engine, cloud load balancing, cloud storage, cloud SQL, stack driver monitoring and cloud deployment manager.
* Developed numerous new features and enhancements for the Web application using Python/Django, HTML/CSS/JavaScript, as well as automating our development environment using Ansible.
* Developed and maintained an infrastructure for a new project using Ansible, Redis, Postgres and Celery.
* Worked on optimizing and memory management of the ETL applications developed in Go-Lang and python and also reusing the existing code blocks for better performance.
* Generated code-gen for typescript GraphQL server-side and client-side
* Built GraphQL server as node package
* Created GraphQL resolvers, schemas, and data sources, so that can communicate with OpenShift APIs
* Provision RHEL and SUSE server for SAAS based application leveraging chef recipes.
* Development of new IPTV/IP Video SaaS lines of business for major satellite operators (Intelsat, SES); Enterprise
* Developed dynamic web pages using python Django Frameworks and developed various templates for different customers and saved their user preferences.
* Developed views and templates with Django's MVT (model, view, and template) to create a user-friendly website.
* Developing Python Framework using Django to perform scan software unit monitoring.
* Developed and tested many features for dashboard using Python.
* Built Web application using Python, Django, HTML and template languages.
* Developed entire frontend and backend modules using Python on Django Web Framework.
* Built Web application using Python, Django, Flask, JavaScript, AJAX, HTML and template languages.
* Developed tools using Python, PHP, Shell scripting to automate.
* Writing Cloud templates using Python Scripts and deployed AZURE resources using it.
* Performed troubleshooting, fixed and deployed many Python bug fixes of the main applications that were sources of data for both customers and internal customer service team.
* Responsible in Working with various Python integrated development environments like PyCharm, Idle.
* Experience in scaling SaaS solutions and building SaaS applications using Python and frameworks such as Django & Flask.
* Hand-on experience in Microsoft Azure cloud platform and merge with python.
* Worked with docker and Kubernetes on multiple cloud providers, from helping developers build and containerize their application (CI/CD) to deploying either on public or private cloud.
* Knowledge in Web Services and API’s in python.
* Implemented and tested python-based web applications interacting with MySQL.
* Developed CI/CD pipelines for code deployment of python microservices and server-based applications.
* Automated the infrastructure deployments across the platform by creating Azure resource Manager Templates (IaC), PowerShell Scripts, Python and Azure DevOps.
* Microservice architecture development using Python and Docker on an Ubuntu Linux platform using HTTP/REST interfaces with deployment into a multi-node Kubernetes environment.
* Developed web applications and REST full web services and APIs using Python, Django.
* Developed tools using Python, XML to automate some of the manual tasks.
* Used Python Flask framework to build modular and maintainable applications.
* Used Celery with Django to complete asynchronous tasks, like huge report generation, sending mails to respective people.
* Wrote and executed various PostgreSQL database queries from python using Psycopg2 connector.
* Involved in Agile methodology and scrum process.
* Participated in day-to-day meeting, status meeting, strong reporting and effective communication with project manager and developers.

Environment: Python, AWS, DevOps, Linux Suse, Google Suite/Smartsheets , Slack ,OAuth 2.0, OIDC, Ansible, Kubernetes, Django, Django Rest, Flask, React, Redux, Circle CI, Vagrant, Splunk, New Relic Server, GitHub, Ansible, HTML5/CSS,SNMP, PostgreSQL, Amazon Web Service (AWS), S3, EC2, EBS, PyCharm, Microsoft Visual Code, Linux, Shell Scripting, JIRA.

**Client: MetLife – New York, NY January, 2018 – June, 2019**

**Role: Sr. Python Developer**

**Responsibilities:**

* Instigated user interface guidelines and standards throughout the development and maintenance of the website using the HTML, CSS, JavaScript and jQuery.
* Implemented color and movement detection using API module which alerts user in real time in case of any theft at home
* Developed views and templates with Python and Django's view controller and Templating language to create a user-friendly website interface.
* Refactor Python/Django modules to deliver certain format of data.
* Managed datasets using Panda data frames and MySQL, queried MYSQL database queries from python using Python-MySQL connector and MySQL dB package to retrieve information.
* Experience in handling REST and SOAP, API Web Services and have Knowledge of Servers like Apache Tomcat and Web Logic
* Reviewed codes in Shell Script, Pearl, Python, Javascript, AWK, API C++, PL/SQL & T-SQL; created subprograms, procedures and functions, DB triggers, cursors and optimization techniques for T-SQL.
* Coordinated activities between Development, API , QA, and Product Management to ensure
* Designed a python script to load transformed data into cloud services (AWS, Azure, and GCP).
* Wrote Python scripts to parse XML documents and load the data in database.
* Parsers written in Python for extracting useful data from the design data base.
* Development of Python APIs to dump the array structures in the Processor at the failure point for debugging.
* Engineered a data processing pipeline with GCP, API, CSS, API & OpenSlide APIs to pre-process large-scale
* Utilized STL and C++ algorithms to achieve optimal design efficiency.
* Design and develop solutions using C, C++, Multi-Threaded, Shell Scripting.
* Wrote Python Scripts to handle REST API's to retrieve Network data from data centers.
* Involved in development of Web Services using SOAP for sending and getting data from the external interface in the XML format.
* Used python libraries- API and pydicom, to parse medical imaging data.
* Developed applications using mix of technologies (Python, Django, Flask, API CSS, REST, and SOLR).
* Involved in working with python open stock API’s.
* Written functional test cases for Data Layer, and Search server classes using Django, XML base services, and RESTFUL.
* Created the Automation scripts using Python for testing applications as well as the integration of these application (API's &UI's) based on REST calls using Python, phrasing the JSON responses.
* Creating restful web services for Catalog and Pricing with Django MVT, Jersey, API, JAVASCRIPT, MySQL, and RESTFUL.
* Used Python and Django creating graphics, XML processing, data exchange and business logic implementation.
* Developed tools using Python, Shell scripting, XML to automate some of the menial tasks. Interfacing with supervisors, artists, systems administrators and production to ensure production deadlines are met.

Environment: Python, Django 1.7, RESTFUL, MySQL, C++, CSS, HTML, API, AJAX, API, GCP, AWS, REST, GCP, REST, SOAP, jQuery, JavaScript, PyCharm.

**Client: Block Financials – Oakland, CA October, 2016 – December, 2017**

**Role: Sr. Python Developer**

**Responsibilities:**

* Developed Python based API (RESTful Web Service) to track the events and perform analysis using Django.
* Created a Python/Django based web application using Python scripting for data processing, MySQL for the database, and HTML/CSS/jQuery and High Charts for data visualization of the served pages.
* Designed and developed the UI of the website using HTML, AJAX, CSS and JavaScript.
* Created Restful API's to integrate and enhance functionalities of the application. Also, Utilized Restful API in communicating with third parties.
* Added support for Amazon AWS S3 and RDS to host static/media files and the database into Amazon Cloud.
* Worked on Unix Socket is used in a client-server application framework and worked on Linux server virtualization by creating Linux VM's for server consolidations.
* Worked on writing and as well as read data from csv and excel file formats with Perl/Python scripts.
* Used python libraries like Beautiful Soap, NumPy and SQL Alchemy.
* Build integration with a number of third parties, making heavy use of asynchronous processing with Celery and RabbitMQ.
* Worked with routing protocols and hardware platforms utilizing TCP/IP, IP Routing, Metro Ethernet protocols, Cisco & Juno OS.
* Implemented migration tasks from Oracle apps to PostgreSQL databases.
* Responsible for both back-end programming in PHP and front-end functionality using JavaScript, Ajax, JQuery libraries, and other technologies and developed GUI using PHP, HTML, CSS, JavaScript, jQuery, Bootstrap.
* Designed Cassandra schema for the APIs and Parsed XML file using Python to extract data from database.
* Worked on Python Open stack API's and used NoSQL as database and followed Python test-driven development techniques.
* Worked on Unix, domain sockets, TCP, UDP for implementing sockets and for socket programming.
* Worked on Doing installations of Jboss, Apache and PostgreSQL server.
* Designed and implementation done utilizing Core Java and C++ in Linux environment for Socket Programming and Thread libraries.
* Involved in development of Web Services using SOAP for sending and getting data from the external interface in the XML format.
* Implemented Cloud Infrastructure as a Service environment using open-source technology OpenStack to enable portability of cloud services across hybrid cloud environments.
* Developed server-based web traffic statistical analysis tool using Flask, Pandas and implemented on premise MongoDB Monitoring Service (MMS) and created dashboards for monitoring the MongoDB environment.
* Worked with HTTP which is designed to permit intermediate network elements to improve or enable communications between clients and servers.
* Provided technical support on networking including port-forwarding, TCP/IP settings.
* Managed requirements and tasks using JIRA.
* Built web-services using SOAP that allowed integrating the business application with the legacy applications and facilitates for future applications.
* Involved in debugging the applications monitored on JIRA using agile methodology.
* Automated the existing scripts for performance calculations using Numpy and SQL Alchemy.
* Developed application which accessed the Cloud foundry API to monitor trends in development environments using other CF tools: Jenkins, Chef, Puppet.
* Translated design specs into responsive user interface component for web & devices using HTML5, CSS3, Bootstrap, jQuery, JavaScript, Angular JS & AJAX.
* Involved in creating and extracting data from database using SQL Queries, PL/SQL on Oracle database.
* Used Python and Django creating graphics, XML processing, data exchange and business logic implementation
* Involved in Using AWS Cloud Watch performed Monitoring, customized metrics and file logging.

Environment: Python, Django 1.6, HTML5, CSS, XML, MySQL, MongoDB, JavaScript, Angular JS, JQuery, CSS Bootstrap, RabbitMQ, Celery, T-SQL, JavaScript, Eclipse, Git, GitHub Linux, Radis, Shell Scripting.

**Client: Mahindra & Mahindra - Hyderabad, India January, 2013 – September, 2016**

**Role: Sr. Python Developer**

**Responsibilities:**

* Developed Python Django forms to record data and the Login module page for users.
* Designed email marketing campaigns and created interactive forms that saved data into database using Django Framework.
* Developed the automated process for processing the payer acknowledgements that helped in resubmitting the medical claims automatically using PERL and DBI modules.
* Worked on Technologies: QT, JAVASCRIPT, QML, and unit test, C++, QNX, UML API, JavaScript and Json.
* Used collections in Python for manipulating and looping through different your defined objects and worked in Test driven development with Behave in Python.
* Also have rich experience on testing REST Full API like Facebook and Twitter.
* Wrote Python routines to log into the websites and fetch data for selected options.
* Improving the performance while processing data by modifying functions, queries, cursors, triggers and stored procedures for MySQL database.
* Extracted data from XML files using PERL -XML modules.
* Developed the consumer-friendly front-end with an easy-to-use API UI and fast access RESTFUL.
* Worked with JSON based REST Web services.
* Use of API, Open NLP & Stanford NLP for Natural Language Processing and sentiment analysis .
* Embedded AJAX in UI to update small portions of the web page avoiding the need to reload the entire page.
* Developed views and templates with python and Django's view controller and Templating language to create a user-friendly website interface.
* Used Amazon Web Services (AWS) for improved efficiency of storage and fast access.
* Added support for Amazon AWS S3 and RDS to host static/media files and the database into Amazon Cloud.
* Participated in the complete SDLC process and used PHP to develop website functionality.
* Designed and developed the UI of the website using HTML, XHTML, AJAX, unittest, GCP CSS, JAVASCRIPT and JavaScript.
* Developed entire frontend and backend modules using python on Django Web Framework.
* Used Django APIs for database access and built application logic using python.
* Provided GUI utilizing PyQt for the end user to create, modify and view reports based on client data.
* Used python to extract information from XML files.
* Expertise in Service Oriented Architecture (SOA) and its related technologies like Web Services, BPEL, WSDLs, AWS, SOAP, API, XML, XSD, XSLT etc.
* Worked on development of SQL and stored procedures on MYSQL and designed Cassandra schema for the APIs.
* Designed and developed a horizontally APIble APIs using python Flask and implemented monitoring and established best practices around using elastic search.

**Environment:**Python, Django, API, Behave, Puppet Rspec, Jenkins, unit test, Grafana Graphite, MySQL, Linux, HTML, CSS, Bootstrap, RDS JQuery, API, AWS, JavaScript, GCP, Apache, Linux, Git, C++, API, SOAP, RESTFUL, REST, Perl, Cassandra, Azure Automation cloud services.