

Python Developer Python Developer Python Developer - TD Ameritrade Fairfax, VA Python Developer Work Experience Python Developer TD Ameritrade - Omaha, NE September 2017 to Present

**Roles & Responsibilities:**

- Developed web applications in Django Framework's model view control (MVC) architecture.
- Worked on Multi-Threading factory to distribute learning process back-testing and into various worker processes.
- 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
- Used Pandas library for statistics Analysis.
- Extensively worked on various Python IDE's using PyCharm and Sublime Text.
- Developed & designed automation framework using Python and Shell scripting.
- Managed large datasets using Panda data frames and MySQL.
- Extensively used Python modules such as requests, Urllib, Urllib 2 for web crawling.
- Developed GUI using Webapp2 for dynamically displaying the test block documentation and other features of Python code using a web browser.
- Developed the required XML Schema documents and implemented the framework for parsing XML documents.
- Developed a fully automated continuous integration system using Git, Gerrit, Jenkins, MySQL and custom tools developed in Python and Bash
- Managed, developed, and designed a dashboard control panel for customers and Administrators using Django, Oracle DB, PostgreSQL and VMWare API calls.
- Performed efficient delivery of code based on principles of Test Driven Development (TDD) and continuous integration to keep in line with Agile Software Methodology principles
- Developed Python/Django based web application, PostgreSQL DB, and integrations with 3rd party email, messaging, storage services.
- Implemented configuration changes for data models.
- Maintained and updated existing automated solutions
- Handled potential points of failure through error handling and communication of failure
- Risk analysis for potential points of failure (database, communication points, file system errors)
- Troubleshoot the process execution and worked with other team members to correct them.
- Actively worked as a part of team with managers and other staff to meet the goals of the project in the stipulated time.
- Tested and validated the custom scripts.
- Responsible for user validations on client side as well as server side.
- Interacted with QA to develop test plans from high-level design documentation
- Different testing methodologies

like unit testing, Integration testing, web application testing ? Developed test scripts for automation with Selenium. Environment: Python 2.7, Django, HTML5/CSS, MS SQL Server 2013, MySQL, Script, Eclipse, Linux, Shell Scripting, JQuery, GitHub, Angular.JS, Jira, Selenium Python Developer

Charter Communications - Alpena, MI April 2016 to August 2017 Roles & Responsibilities: ? Created a Python/Django based web application using Python scripting for data processing, MySQL for the database, and HTML/CSS/JQuery and Highcharts for data visualization of the served pages. ? Developed Python based API (RESTful Web Service) to track the events and perform analysis using Django. ? 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. ? 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. ? Developed a fully automated continuous integration system using Git, Gerrit, Jenkins, MySQL and custom tools developed in Python and Bash. ? Used Restful web service calls for the validation. ? Involved in Using AWS Cloud Watch performed Monitoring, customized metrics and file logging. ? Built Webservices using SOAP that allowed integrating the business application with the legacy applications and also facilitates for future applications. ? Involved in debugging the applications monitored on JIRA using agile methodology. ? Designed and developed the UI of the website using HTML, AJAX, CSS and JavaScript. ? Added support for Amazon AWS S3 and RDS to host static/media files and the database into Amazon Cloud. ? 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. ? Design and development of UI screens using JSP. ? Developed and implemented the user registration and login feature for the application process from scratch by extending Django user model. ? Worked with AJAX framework to get the asynchronous response for the user request and used JavaScript for the validation. ? Developed user-friendly modals for the form submissions using simplemodal.js, JQuery, Ajax and JavaScript. ? Automated the existing scripts for performance calculations using

Numpy and SQL Alchemy. ? 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 Environment: Python 2.7, Django 1.6, HTML5, CSS, XML, MySQL, MongoDB, JavaScript, Angular JS, JQuery, CSS Bootstrap, RabbitMQ, Celery, T-SQL, JavaScript, Eclipse, Git, GitHub Linux, Redis, Shell Scripting Python Developer VKR Projects - Hyderabad, Telangana July 2013 to December 2015 Roles & Responsibilities: ? Responsible for the design and development of different web-based applications based on clients requirements. ? Developed applications using CherryPy, Flask ( Python frameworks) ? Deployed web applications to Google App Engine. ? Utilized Pandas - python library for analyzing data and data structures. ? Managed large datasets using Pandas data frames and SQLite ? Designed email marketing campaigns and also created responsive web forms that saved data into a database using Python / Django Framework. ? Developed Python scripts to read from Excel files, generate XML configuration files and also for generating IP access frequency lists in different data logs ? Performed front-end development for web initiatives to ensure usability, using HTML and CSS. ? Tested all completed work to ensure proper and error free functionality ? Enhance quality, feel, and usability of consumer-facing website ? Wrote Use Case diagrams, Class diagrams Sequence Diagrams, and State Diagrams. ? Collaborated with a team of instructors and programmers to develop the curriculum and guidelines for workshops to teach the logic of programming. ? Designed manuals, workbooks, and other printed media for reference purpose. ? Created and ran custom SQL queries and stored procedures and also created an applications to stored client phone calls and emails that were routed to various developers Environment: Python 2.6/2.7, Django 1.2, CherryPy, Flask, SQLite, Google App Engine, Jenkins, Pandas, HTML, CSS Education Master's Degree in Information Systems in Information Systems Wilmington University - New Castle, DE 2018 Bachelor's Degree in Electronics and Computer Engineering in Electronics and Computer Engineering JNT University 2015 Skills DJANGO, Git, HTML, BOOTSTRAP, JENKINS

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