

Python Developer Python Developer Python Developer - TMobile Over 6 years of IT Experience in designing, developing, testing and implementing of various stand-alone and client-server architecture based enterprise application software in Python on different domains. 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 dataframe, networkx, urllib2, MySQL dB for database connectivity) to drive improvements throughout entire software development lifecycle. Good experience in developing web applications implementing Model View Control architecture using Django, Flask, Pyramid and Zope Python web application frameworks. Experienced in working with various Python Integrated Development Environments like NetBeans, PyCharm, PyScripter, Spyder, PyStudio, PyDev and Sublime Text. Strong expertise in development of web based applications using Python, Django, HTML, XML, Angular JS, CSS, DHTML, JavaScript, JSON and JQuery. Good knowledge on front end frameworks like CSS Bootstrap. Having experienced in Agile Methodologies, Scrum stories and sprints experience in a Python based environment, along with data analytics, data wrangling and Excel data extracts. Sound experience in Core Java and Object Oriented Programming using concepts like Multi-Threading, Exception Handling and Collections. Good knowledge of web services with protocols SOAP, REST. Experienced in working with server side technologies including databases, restful API and MVC design patterns. Special skills in development of effective, user-friendly web applications. Experienced in requirement gathering, Use case development, Business Process flow, Business Process Modelling: extensively used UML to develop various use cases, class diagrams and sequence diagrams. Superior Troubleshooting and Technical support abilities with Migrations, Network connectivity and Security and Database applications. Knowledge about setting up Python REST API Framework using Django. Experience in using various version control systems like CVS, Git, GitHub and Amazon EC2 and deployment using Heroku. Documentation of Architecture, Design and Operational procedures. Proficient in writing SQL Queries, Stored procedures, functions, packages, tables, views, triggers using relational databases like Oracle, DB2 and MySQL. Good knowledge in working with application server- Apache Tomcat

(6.0, 7.0, 8.0). Experience in working with Python ORM Libraries including Django ORM.

Authorized to work in the US for any employer Work Experience Python Developer TMobile - Bellevue, WA August 2015 to Present Responsibilities: Automation of infrastructure using Terraform and Ansible. Implemented cloud infrastructure automation using internal web-services and distributed worker queues (celery). Worked on development of internal testing tool framework written in Python. Developed GUI using Python and Django for dynamically displaying the test block documentation and other features of python code using a web browser. Wrote scripts in Python for extracting data from HTML file. Effectively communicated with the external vendors to resolve queries. 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. Responsible for debugging the project monitored on JIRA (Agile) Wrote Python scripts to parse JSON documents and load the data in database. Used Python and Django to interface with the jQuery UI and manage the storage and deletion of content. Created database using MySQL, wrote several queries to extract data from database. 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. 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, Backbone JS, JQuery, CSS Bootstrap, Mongo DB, T-SQL, JavaScript, Eclipse, Git, GitHub, AWS, Linux, Shell Scripting. Python Developer TD Bank - Mount Laurel, NJ May 2013 to August 2015 Responsibilities: Django Framework that was used in developing web applications to implement the model view control architecture. Exposure on Multi-Threading factory to distribute learning

process back-testing and the into various worker processes. 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 Different testing methodologies like unit testing, Integration testing, web application testing Selenium testing performed. Lock mechanisms were implemented and the functionality of multithreading has been used Python/Django based web application, Post gresql DB and integrations with 3rd party email, messaging, storage services. Developed a fully automated continuous integration system using Git, Gerrit, Jenkins, MySQL and custom tools developed in Python and Bash Design and implemented custom scripts. Extensive use of version controller Team Foundation Server (TFS). Test and validated the custom scripts. Delivered automated solutions for science models Managed, developed and designed a dashboard control panel for customers and Administrators using Django, Oracle DB and PostgreSQL. Implemented configuration changes for data models. Maintained and updated existing automated solutions Handled potential points of failure through error handling and communication of failure Anticipated potential parts 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. 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. Used Numpy for Numerical analysis for Insurance premium Managed large datasets using Panda data frames and MySQL. Extensively used Python modules such as requests, urllib, urllib2 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. Responsible for user validations on client side as well as server side. Automated the existing scripts for performance calculations using Numpy and sql alchemy. Interacted with QA to develop test plans from high-level design documentation Environment: Python 2.7, Django 1.4, HTML5, CSS, XML, MySQL, JavaScript, Angular JS,

Backbone JS, JQuery, CSS Bootstrap, Mongo DB, T-SQL, JavaScript, Eclipse, Git, GitHub, AWS, Linux, Shell Scripting. Python Developer Comcast - Phoenix, AZ July 2011 to April 2013

Responsibilities: Developed web applications in Django Framework's model view control (MVC) architecture. Exposure on Multi-Threading factory to distribute learning process back-testing and into various worker processes. 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 Different testing methodologies like unit testing, Integration testing, web application testing Developed test scripts for automation with Selenium. Python/Django based web application, Postgre sql DB and integrations with 3rd party email, messaging, storage services.

Developed a fully automated continuous integration system using Git, Gerrit, Jenkins, MySQL and custom tools developed in Python and Bash Design and implemented custom scripts. Extensive use of version controller Team Foundation Server (TFS). Tested and validated the custom scripts.

Delivered automated solutions for science models Managed, developed and designed a dashboard control panel for customers and Administrators using Django, Oracle DB, PostgreSQL and VMWare API calls. 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. 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. 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. Responsible for user validations on client side as well as server side. Interacted with

QA to develop test plans from high-level design documentation Environment: Python 2.7, Django, HTML5/CSS, MS SQL Server 2013, MySQL, JavaScript, Eclipse, Linux, Shell Scripting, JQuery, GitHub, Angular.JS, Jira Education Bachelors George Mason University - Fairfax, VA 2011 Skills CSS (6 years), DJANGO (6 years), ECLIPSE (6 years), Git (6 years), jQuery (6 years) Additional Information Technical Skills: Frameworks Django, Zope, PyJamas, Jython, CSS Bootstrap Web Technologies HTML, CSS, DOM, SAX, Java Script, JQuery, AJAX, XML, AngularJS. Programming Languages Python, C, PERL,SQL and PL/SQL. J2EE Technologies JSP, Java Servlets, JNDI, JDBC and JMS. Version Control SVN, CVS, Git, GitHub. Analytic Tools JMP PRO, SAS, Tableau, UCI NET, Node XL Application servers Apache Tomcat, JBoss Databases Oracle (9i,10g, 11g), My SQL, Apache Cassandra, MongoDB IDE's/ Development Tools NetBeans, Eclipse, PyCharm, PyScripter, PyStudio and Sublime Text. Operating Systems Windows, Red hat Linux 4.x/5.x/6.x, Ubuntu. Protocols TCP/IP, HTTP/HTTPS, SOAP, SMTP Deployment Tools Heroku, Amazon EC2 Testing Tools Bugzilla and JIRA.

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