Python Developer Python Developer Python Developer - General Motors New York, NY -   Over 6 years of experience in Analysis, Design, Development, Testing, Customization, Bug fixes, Support and Implementation of various stand-alone, client-server enterprise applications using Python, Django in various domains.   Software Developer with 5 years of experience coding in C, C++, Embedded Linux and Assembly.   Experience working in Java, JavaScript, and Python software development environments.   Experience with Design, code, debug operations, reporting, data analysis and web applications utilizing Python.   Experience in developing web-based applications using Python 2.7/2.6, Django 1.4/1.3, PHP, Flask, Webapp2, Angular.js, VB, C++, XML, CSS, HTML, DHTML, JavaScript, Jquery and also on XAMPP and LAMP.   Proficient in Front end development experience using HTML, XML, CSS, JQuery, JSON, JavaScript, CSS and Bootstrap.   Hand on experience with Amazon Cloud EC2, Simple Storage Service S3 and Amazon SQS. Supported C++ testing framework to improve automated testing.   Sound experience of software development in Python (libraries used: Beautiful Soup, numpy, scipy, matplotlib, python-twitter, Pandas data frame, network, urllib2, MySQL dB for database connectivity) and IDEs - sublime text, Spyder, pycharm, Emacs.   Expertise in On-site Applications/Services/Packages using Chef along with AWS for EC2/S3 and ELB with Chef Cookbooks.   Experienced in working on Application Servers like WebSphere, WebLogic, Tomcat, Web Servers like Apache server, NGINX.   Hands on Integrated Development Environments experience like Pycharm, Eclipse, MyEclipse, JDeveloper and RAD.   Proficiency in scripting for system administration and AWS using languages such as BASH and Python.   Experience in full SDLC starting from Design and Development, Testing and documenting the entire life cycle using various methodologies.   Expertise in developing consumer based features and applications using Python, Django, HTML, Behavior Driven Development (BDD) and pair based programming.   Experienced with batch processing of data sources using Apache Spark.   Good working experience in processing large datasets with Spark using Scala and Pyspark.   Good experience in developing web applications implementing MVT/MVC architecture using Django, Flask, Webapp2 and spring web application frameworks.   Expertise in writing Sub Queries, Stored Procedures, Triggers, Cursors, and Functions on MySQL and PostgreSQL

database.   Proficient in programming with Python IDE's like PyCharm Java IDE's like Eclipse and Sublime.   Expertise in writing AJAX framework to transform Datasets and Data tables into HTTP-JSON strings. Authorized to work in the US for any employer Work Experience Python Developer General Motors - Detroit, MI January 2015 to Present Responsibilities: Developed entire frontend and backend modules using Python on Django including Tastypie Web Framework using Git. Developed Merge jobs in Python to extract and load data into MySQL database.   Successfully migrated the Django database from MySQL to PostgreSQL with complete data integrity.   Added support for Amazon AWS S3 and RDS to host static/media files and the database into Amazon Cloud.   Implemented AWS high-availability using AWS Elastic Load Balancing (ELB), which performed balance across instances.   Used Test driven approach for developing the application and Implemented the unit tests using Python Unit test framework.   Developed user interface using CSS, HTML, JavaScript and JQuery.   Developed Python scripts to monitor health of Mongo databases and perform ad-hoc backups using Mongo dump and Mongo restore.   Used JSON based REST Web services and Amazon Web services (AWS) for smooth operation of application. Responsible to use and implement Pandas library for statistical Analysis.   Dynamic implementation of SQL server work on website using SQL developer tool.   Designed front end using UI, HTML, Bootstrap, Node JS, underscore JS, Angular JS CSS, and JavaScript, IronPython.   Gathered all requirements for developing and analyzing requirement of projects.   Involved in the Complete Software development life cycle (SDLC) to develop the application.   Used Numpy for Numerical analysis.   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. Worked on MongoDB database concepts such as locking, transactions, indexes, Sharding, replication, schema design   Used Git to resolve and coding the work on python and portlet.   Used several python libraries like wxPython, numPY and matPlotLib.   Was involved in environment, code installation as well as the SVN implementation.   Used Pandas API to put the data as time series and tabular format for east timestamp data manipulation and retrieval.   Environment: Python 3.3,

PyQT, PyQuery, MVW, HTML5, CSS3, AWS, Angular.js, Shell Scripting, JSON, Rest, Apache Web Server, Django, MySQL, IronPython, MongoDB, PostgreSQL, Numpy, IPython, sqlalchemy, Django Tastypie. Python Developer Merck& Co., Inc August 2013 to January 2015 Responsibilities: Developed web applications to implement the model view control architecture using Django Framework.   Build database mapping classes using Django models and Apache Cassandra. Used Pandas as API to put the data as time series and tabular format for manipulation and retrieval of data.   Involved in developing Restful services using Python Flask framework.   Created entire application using Python, Django, MySQL and Linux.   Developed complex database prediction models and pattern matching algorithms in C++.   Developed the presentation layer using HTML, CSS, JavaScript, JQuery and AJAX.   Used JQuery libraries for all client side JavaScript manipulations.   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 a fully automated continuous integration system using Git, Gerrit, Jenkins, MySQL and custom tools developed in Python and Bash.   Managed MongoDB environment from availability, performance and scalability perspectives.   Developed various algorithms for generating several data patterns.   Used JIRA for bug tracking and issue tracking.   Loading claims into Facets using Kron Shell Scripting and Perl stored in Sybase database.   Managed, developed, and designed a dashboard control panel for customers and Administrators using Django, OracleDB, PostgreSQL, and VMWare API calls.   Extensively used python modules such as requests, urllib, urllib2 for web crawling.   Environment: Python 2.7, Django 1.8, CSS, HTML, JavaScript, JQuery, webbapp2, perl, AJAX, MYSQL, Linux, Rest, Heroku, GIT, Kron, urllib, urllib2, OracleDB, MongoDB, PostgreSQL, and VMWare API Python Developer US BANK - Los Angeles, CA November 2012 to July 2013 Responsibilities: Developed entire frontend and backend modules using Python on Django Web Framework.   Utilized PyQt to provide GUI for the user to create, modify and view reports based on client data.   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.   Developed user interface using CSS, HTML, JavaScript

and JQuery.   Used standard Python modules viz csv, robot parser, itertools, pickl, jinja2, lxml for development.   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.   Managed, developed, and designed a dashboard control panel for customers and Administrators using Django, HTML, CSS, JavaScript, Bootstrap, JQuery and REST API calls.   Creating data pipelines using Apache Spark, a big-data processing and computing framework.   Planning, implementing, and converting manual test cases to automation test cases.   Wrote Python modules to extract/load asset data from the MySQL source database   Anticipated potential parts of failure (database, communication points, file system errors).   Developed GUI using webapp2 for dynamically displaying the test block documentation and other features of python code using a web browser.   Responsible for user validations on client side as well as server side.   Automated the existing scripts for performance calculations using Numpy and sqlalchemy   Environment: Python 2.7, Django 1.8, CSS, HTML, JavaScript, JQuery, webbapp2, AJAX, MYSQL, Linux, Rest, GIT, urllib, .net, urllib2, OracleDB, MongoDB, PostgreSQL, and VMWare API. Python Developer Rockwell Automation - San Jose, CA October 2010 to October 2012 Responsibilities: Worked on server side applications with Django using Python programming.   Used python libraries like Beautiful Soup and matplotlib.   Utilized standard Python modules such as csv, robotparser, itertools and pickle for development.   Implemented the business logic in back end with Pro-C and C++   Worked on Python OpenStack APIs and used Numpy for Numerical analysis.   Used Ajax and JQuery for transmitting JSON data objects between frontend and controllers.   Implemented user interface guidelines and standards throughout the development and maintenance of the website using the HTML, CSS, JavaScript and JQuery.   Implemented AJAX for dynamic functionality of a webpages for front end applications.   Worked on front end frame works like CSS Bootstrap for responsive webpages.   Developed and tested many features for dashboard, created using Bootstrap, CSS, and JavaScript.   Developed Wrapper in Python for instantiating multi-threaded application.   Developed views and templates with Python and Django's view controller and templating language to create a user-friendly website interface.   Managed datasets using Panda data frames and

MySQL, queried MYSQL database queries from python using Python-MySQL connector and MySQLdb package to retrieve information.   Used Agile Methodology and SCRUM Process. Worked on creating documents in Mongo database.   Maintained the versions using GIT and sending the release notes for each release.   Supported the issues seen in the tool across 67all the teams for several projects.   Environment: Python 2.7, Django 1.8, CSS, HTML, JavaScript, JQuery, webbapp2, AJAX, LAMP, UnitTest, Jquery, XML Additional Information Technical Skills: Programming Languages: Python 3.3/2.7, Django 1.4/1.3, Flask, perl, Java, C++, Shell Script, SQL, Java/J2EE, PyJamas, Jython, IronPython, Cpython.   Web Technologies: AJAX, JavaScript, HTML, XHTML, Amazon Web Services(Amazon Cloud EC2, Simple Storage Service S3 and Amazon SQS), XML, JSON, Jquery, Angular Js.   Python Modules: csv, robotparser, itertools, pickle, urllib, urllib2.   Python Libraries: Pandas, NumPy, UnitTest, IPython, sqlalchemy, Django Tastypie, Beautiful Soup, wxPython and matplotlib. Python Version Control Tools: Git, GitHub, SVN, VSS Database: MongoDB, Cassandra, MySQL, PostgreSQL   Operating systems: Windows XP, Win 7, 8.1, 10, Linux, OS X.   Python Automation Testing: UnitTest, Nose. Python Packages: JSON, CSV, XML, XLS   Methodologies: Agile/Scrum, Waterfall.   Bug Tracking Tools: Jira, Bugzilla, Rational Clear-quest.   Other: Apache Shark, Dreamweaver, Eclipse IDE, NetBeans IDE, FlashFXP, LAMP,

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