

Python Developer Python Developer Python Developer - Deutsche Bank Jersey City, NJ * 7 years of experience IT Industry with proficiency in Design & Development of Python, Java/J2EE, Django, flask project. * Experience in working with number of public and private cloud platforms like Amazon Web Services (AWS), Microsoft Azure, Rackspace Cloud and Openstack. * Experience in Infrastructure as service (IaaS), Platform as service (PaaS), Software as a service (SaaS) & end user computing. * Well versed with design and development of presentation layer for web applications using technologies like HTML, CSS, and JavaScript, Bootstrap. * Good experience in developing web applications implementing Model View Control architecture using Django, Flask, Pyramid and Zope Python web application frameworks. * Experienced in HTML/HTML5, DHTML, CSS/CSS3, JavaScript, JQuery, Angular.JS, AJAX, XML and JSON. * Experienced in working with various Python Integrated Development Environments like Net Beans, PyCharm, PyScripter, Spyder, PyStudio, PyDev and Sublime Text. * Strong expertise in development of web based applications using Python, Django, Flask, Dojo, HTML, XML, Angular.JS, CSS, DHTML, JavaScript, JSON and JQuery. * Worked on several python packages like Numpy, matplotlib, BeautifulSoup, Pickle, PySide, Scipy, wxPython, PyTables etc. * Experienced in working on Application Servers like WebSphere, WebLogic, Tomcat, Web Servers like Apache server, NGINX and Integrated Development Environments like PyCharm, Eclipse, MyEclipse, JDeveloper and RAD. * Experienced in WAMP (Windows, Apache, MySQL, and Python/PHP) and LAMP (Linux, Apache, MySQL, and Python/PHP) Architecture. * 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 working with python editors like PyCharm, PyScripter, PyStudio, PyDev, Wing IDE and Spyder. * Experience in developing web services (WSDL, SOAP and REST) and consuming web services with python programming language. * Experienced in working with server side technologies including databases, restful API and MVC design patterns. * Good experience in Python, Django, Shell Scripting, SQL Server, Unix and Linux and Open stack. * Experience with Requests, Pysftp, Gnupg, ReportLab, Numpy, Scipy, Matplotlib, HTTPLib2, Urllib2, BeautifulSoup and Pandas python libraries during development lifecycle. * Knowledge about

setting up Python REST API Framework using Django. * Having good knowledge in using NoSQL databases like Apache Cassandra (1.2, 2.0 and 2.1) and MongoDB (2.6, 2.4), Orient DB. * Expertise in working with server side technologies including databases, Restful API and MVC design patterns. * Having good exposure over working with deployment of Python and Java projects using cloud architecture. * Experienced in web applications development using Django/ Python, Flask/ Python, and Node.js, Angular.js, DOJO, JQuery while using HTML/CSS/JS for server-side rendered applications. * Experience in using various version control systems like CVS, Git, GitHub and Amazon EC2 and deployment using Heroku. * Worked in Cloud based NMS application which monitors the CPU/Memory parameters of Virtual machines. * Experience in project deployment using Heroku/Jenkins and using web services like Amazon Web Services (AWS) EC2 and AWS S3. * Proficient in writing SQL Queries, Stored procedures, functions, packages, tables, views, triggers using relational databases like Oracle, DB2 and MySQL. * Extensive experience with Amazon Web Services (AWS), Openstack, Docker Puppet, Chef, Ansible, AWS CloudFormation, AWS CloudFront. * Experience in handling database issues and connections with SQL and NoSQL databases like MongoDB (2.6, 2.4) by installing and configuring various packages in python (Teradata, MySQL dB, Pyodbc, MySQL connector, Pymongo and SQLAlchemy). * Good knowledge in working with Web/application server - Apache Tomcat (6.0, 7.0, 8.0), Tornado, CherryPy, Chaussette, Rocket. * Experience with Requests, Pysftp, Gnupg, ReportLab, Numpy, Scipy, Matplotlib, HTTPLib2, Urllib2, BeautifulSoup and Pandas python libraries during development lifecycle. * Excellent experience with Python development under Linux OS (Debian, Ubuntu, SUSE Linux, RedHat Linux, Fedora). * Experience in working with Python ORM Libraries including Django ORM. * Have good knowledge on Project management tools JIRA, Redmine and Bugzilla. * Hands on experience in working with various Version Control Systems, mostly GIT, CVS and SVN. * Experience in working with multiple Servers like Apache Tomcat, IBM Web Sphere, Web Logic and Jboss. * 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. * Experience in using various version control systems like CVS, Git, GitHub and Amazon EC2 and

deployment using Heroku. * Experience in Test Driven Development and Behavior Driven Development methodologies for consulting firms and enterprise projects. * Experience in writing Sub Queries, Stored Procedures, Triggers, Cursors, and Functions on MySQL and PostgreSQL database. * Expertise in working with GUI frameworks-PyJamas, Jytha, guidata, PyGUI, PyQt PyWebkitGtk. * Experienced with Elasticsearch, Logstash and Kibana (ELK). * Having good knowledge in using NoSQL databases, various version control systems like Git (GitHub), SVN, CVS.

* Sound knowledge in Spring, Hibernate, RDBMS, Web, XML, Ant/Maven, HTML, Python, Shell Scripting. * Experience in writing reusable and in test driven development using Unit Testing and Selenium. * Experienced in developing API services in Python/Tornado, Node.JS while leveraging AMQP and RabbitMQ for distributed architectures. * Experienced in working on Celery Task queue and service broker using RabbitMQ.

Work Experience Python Developer Deutsche Bank - New York, NY April 2017 to Present Description: Deutsche Bank is a Germany based multinational bank involved in commercial and investment banking operations across the globe. I was part of rates team in investment banking division who are responsible for valuations and trading various Fixed income and FX derivatives.

Responsibilities: * Create, activate and program in Anaconda environment. Worked on predictive analytics use-cases using R language and Python * Use Python unit and functional testing modules such as unit test, unit test2, mock, and custom frameworks in-line with Agile Software Development methodologies. * Added licensing feature for 3 products CVU'S, CCLEAR, CSTOR from scratch by going through most modules of code runs at backend and created html pages to view the EULA (End User License Agreement). * Developed micro services API'S for an individual module and exposed the results in JSON format using Bottle framework. * Involved in development of testing frameworks, used selenium web driver for Automation. * Worked with Docker Container, have setup an environment and used accordingly. * Wrote Python code embedded with JSON and XML to produce HTTP GET and POST requests for parsing HTML data from website. * Used JIRA for issue tracking and bug tracking for each individual sprint, and used confluence to create design documents. * Installed Hadoop, Map Reduce, HDFS, AWS and developed multiple MapReduce jobs in PIG and Hive for data cleaning

and pre-processing. * Manage datasets using Panda data frames and MySQL, queried MYSQL database queries from python using Python-MYSQL connector and MySQL dB package to retrieve information. * Involved in the Web/Application development using Python 3.5, HTML5, CSS3, AJAX, JSON and JQuery. * Develop and tested many features for dashboard using Python, Java, Bootstrap, CSS, JavaScript and JQuery. * Generate Python Django forms to record data of online users and used PyTest for writing test cases. * Implemented and modified various SQL queries and Functions, Cursors and Triggers as per the client requirements. * Clean data and processed third party spending data into maneuverable deliverables within specific format with Excel macros and python libraries such as NumPy, SQLAlchemy and matplotlib. * Used Pandas as API to put the data as time series and tabular format for manipulation and retrieval of data. * Helped with the migration from the old server to Jira database (Matching Fields) with Python scripts for transferring and verifying the information. * Analyze Format data using Machine Learning algorithm by Python Scikit-Learn. * Experience in python, Jupyter, Scientific computing stack (numpy, scipy, pandas and matplotlib). * Perform 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.

* Write Python scripts to parse JSON documents and load the data in database. * Generating various capacity planning reports (graphical) using Python packages like Numpy, matplotlib. * Analyzing various logs that are been generating and predicting/forecasting next occurrence of event with various Python libraries. * Developed single page application by using Angular JS backed by MongoDB and NodeJS. * Design and maintain databases using Python and developed Python based API (RESTful Web Service) using Flask, SQL Alchemy and PostgreSQL. * Manage code versioning with GitHub, Bit Bucket and deployment to staging and production servers and implement MVC architecture in developing the web application with the help of Django framework. * Use Celery as task queue and RabbitMQ, Redis as messaging broker to execute asynchronous tasks. * Design and manage API system deployment using fast http server and Amazon AWS architecture.

* Develop remote integration with third party platforms by using RESTful web services and Successful implementation of Apache Spark and Spark Streaming applications for large scale data.

* Built various graphs for business decision making using Python matplotlib library. * Involved in development of Web Services using SOAP for sending and getting data from the external interface in the XML format. * Export Test case Scripts and modified the selenium scripts and executed in Selenium environment. * Developed entire frontend and backend modules using Python on Django Web Framework. * Scraping website using Python BeautifulSoup, and then parsed it with XML. * Outputting the parsed data as JSON/BSON and stored into MongoDB. * Used NLTK and StanfordNLP to process text data and created offline intelligence. * Querying data from MongoDB and use them as input for the machine learning models. * Using AWS for application deployment and configuration. * Wrote UNIX shell scripting for automation. * Developed views and templates with Django view controller and template Language to create a user-friendly website interface. * Used JavaScript and JSON to update a portion of a webpage. * Develop consumer based features using Django, HTML and Test Driven Development (TDD). * Increase the speed of pre-existing search indexes through Django ORM optimizations. * Develop module to build Django ORM queries that can pre-load data to greatly reduce the number of databases queries needed to retrieve the same amount of data. Environment: Python, Django, HTML5/CSS, PostgreSQL, MS SQL Server 2013, MySQL, JavaScript, Jupyter Notebook, VIM, Pycharm, Shell Scripting, Angular.JS, JIRA.

Python Developer Anthem, Inc - Mason, OH April 2016 to March 2017 is an American health insurance company founded in the 1940s, prior to 2014 known as WellPoint, Inc. It is the largest for-profit managed health care company in the Blue Cross and Blue Shield Association. It was formed when Anthem Insurance Company acquired WellPoint Health Networks, Inc., with the combined company adopting the name WellPoint, Inc. Responsibilities: * Developed strategic partnerships with the business unit to develop a solid knowledge base of the business line, including the business plan, products, and processes. * Created Use-Case diagrams and State diagrams using MS Visio. * Created entire application using Python, Django, MySQL, and Linux. * 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.

* Designed and managed API system deployment using fast HTTP server and Amazon AWS

architecture. * Developed entire frontend and backend modules using Python on Django Web Framework. * Used Python and Django creating graphics, XML processing, data exchange and business logic implementation. * Utilized PyUnit, the Python unit test framework, for all Python applications. * Designed and maintained databases using Python and developed Python-based API (RESTful Web Service) using Flask, SQL Alchemy, and Postgre SQL. * Using Amazon EC2 command line interface along with Bash/ Python to automate repetitive work. * Developed GUI using webapp2 for dynamically displaying the test block documentation and other features of python code using a web browser. * Designed and developed components using Python with Django framework. * Implemented code in python to retrieve and manipulate data. * Involved in writing SQL queries implementing functions, triggers, cursors, object types, sequences, indexes etc. * Involved in development of the enterprise social network application using Python, Twisted, and Cassandra. * Responsible for setting up Python REST API framework and spring framework using Django. * Wrote Python OO Design code for manufacturing quality, monitoring, logging, and debugging code optimization. * Involved in Installation and setting up Python /Linux test beds. * Worked with JSON based REST Web services. * Worked in Python on a SQL database. * Generated property list for every application dynamically using python. * Creating unit test/regression test framework for working/new code. * Using Subversion version control tool to coordinate team-development. * Delivered presentations on Project Status and Current Open Issues Report to Users, Stakeholders, and other involved groups. * Conducted weekly meetings with the development and testing team to relay any changed requirements and updates on the development and testing. * Played a key role in the planning, testing, and implementing system enhancements and conversions. * Worked closely with project manager in handling the whole project. Environment: Python 3.x, Django, Shell Scripting, AWS, Pandas, PyUnit, OOAD, MS Visio, HTTP, JSON, PHP, HTML5, CSS3, AJAX, Java, JavaScript, Bootstrap, Apache Web Server, MYSQL, GitHub, LINUX. Python Developer Humana Health Insurance - Lancaster, SC December 2014 to March 2016 Humana Healthcare Insurance is a Fortune 100 company that markets and administers health insurance in The United States. Humana is committed to helping employers

manage their healthcare costs, guiding consumers to make informed health and benefits decisions, and giving back to the communities they serve. Responsibilities:

- * Design, develop, test, deploy and maintain the website by coding and execution of scripts in Python/Unix.
- * Implemented MVC architecture in developing web applications using Django framework.
- * Closely worked with business system analyst to understand the requirements to ensure that right set of UI modules been built.
- * Designed the front-end applications, user interactive (UI) web pages using web technologies like HTML, XHTML, CSS, JavaScript and jQuery.
- * Rewrite existing Python/Django modules to deliver certain format of data.
- * Built various graphs for business decision making using Python Matplotlib library.
- * Fetched twitter feeds for certain important keyword using Python-Twitter library.
- * Used PyPi while installing the project.
- * Used Beautiful Soap a Python library for web Scraping.
- * Used Django database API's to access database objects.
- * Using Django and manual SQL, modifications were able to modify Django models while retaining all data, while the site was in production mode.
- * Development of Python APIs to dump the array structures in the Processor at the failure point for debugging.
- * Performed troubleshooting, fixed and deployed many Python bug fixes of the two main applications that were the main source of data for both customers and internal customer service team.
- * Used Bootstrap extensively for organizing the web page created.
- * Maintained program libraries, user's manuals and technical documentation.
- * Managed large datasets using Panda data frames and MySQL.
- * Wrote and executed various MySQL database queries from Python using Python-MySQL connector and MySQL dB package.
- * Developed and maintained ETL (Data Extraction, Transformation, and Loading) mappings.
- * Developed Spark scripts by using Scala shell commands as per the requirement.
- * Using Subversion version control tool to coordinate team-development.
- * Actively involved in generating graphical reports using tableau.
- * Actively involved in developing the methods for Create, Read, Update and Delete (CRUD) in Active Record.
- * Involved in data loading using PL/SQL.
- * Responsible for debugging and troubleshooting the web application. Involved in writing application-level code to interact with APIs, Web Services using AJAX, JSON, and XML.
- * Define technical requirements based on business requirements.
- * Wrote Python scripts to parse XML documents and load the data in the

database. Actively worked as a part of a team with managers and other staff to meet the goals of the project in the stipulated time. Environment: Python, Django, HTML5/CSS, CSS Bootstrap, MySQL, PL/SQL, MS SQL, JavaScript, SVN, Linux, Shell Scripting, Apache Web Server, Pyramid, Spark. Python Developer Reck Solutions - San Diego, CA August 2013 to November 2014

Responsibilities: * Wrote Python routines to log into the websites and fetch data for selected options. * Implemented code in Python to retrieve and manipulate data. * Used Python modules such as requests, urllib, and urllib2 for web crawling. * Used other packages such as Beautiful soup for data parsing. * Worked on writing and as well as read data from CSV and excel file formats using Python. * Web-services backend development using Python (CherryPy, Django, SQL Alchemy). * Worked on resulting reports of the application and Tableau reports. * Participated in developing the company's internal framework on Python. This framework became a basement for the quick service's development. * Worked on HTML5, CSS3, JavaScript, AngularJS, Node.JS, Git, REST API, MongoDB. * Design and setting up of the environment of MongoDB with shards and replica sets (Dev/Test and productions). * Designed and developed components using Python with Django framework. * Private VPN using Ubuntu, Python, Django, CherryPy, Bootstrap, jQuery. * Created a Python-based GUI application for Freight Tracking and processing. * Experience in designing and developing applications in Spark using Scala. * Wrote scripts in Python for extracting data from HTML file. * Used Python and Django creating graphics, XML processing of documents, data exchange and business logic implementation between servers. * Developed rich user interface using CSS, HTML, JavaScript, and jQuery. * .Participated in the complete SDLC process. * Worked on automating the repetitive tasks using Ansible. * Extracting acting data from the database using SAS/Access, SAS SQL procedures and create SAS data sets. * Created and modified PL/SQL scripts for data conversions. * Developed and maintained various automated web tools for reducing manual effort and increasing efficiency of the Global Shipping Team. * Created database using MySQL, wrote several queries to extract data from the database. * Communicated effectively with the external vendors to resolve queries. * Held meetings with client and worked all alone for the entire project with limited help from the client. Environment: Python, Django, MySQL, Windows,

Linux, HTML, CSS, jQuery, JavaScript, Apache, Linux, Quality Centre, Ansible, PL/SQL Production Engineer B.H.E.L - Hyderabad, Telangana April 2012 to July 2013 BHEL is an Indian government owned entity that is involved in research and manufacturing of heavy electrical equipment. It also offer services for maintaining the clients in electrical network design, load management.

Responsibilities:

- * Responsible for creating the efficient design and developing User Interaction screens as per the client requirements using HTML, CSS, AngularJS, JavaScript, jQuery, AJAX and JSON.
- * Used Django frame work for application development.
- * Running Robot Frame work on Python using the ipybotrunner script.
- * Assisted in reduction of cost and optimization of supplier's election for the CRM Applications.
- * Provides a command line interface and XML based outputs for integration into existing build infrastructure by using Robot Frame work.
- * Created and maintained technical documentation for launching Hadoop clusters and for executing Hive queries and Pig Scripts.
- * Used Graphical User Interface Testing and API driven Testing.
- * Used several python libraries like wxPython, numPY and matPlotLib.
- * Using features that support complex data structures, first class functions by using PERL.
- * Experience in working on Free form Calculation, and Lasso and Radial Selection by using Tableau.
- * Implementing Robot Frame work using python.
- * Developed presentation layer components using ASP.NET.
- * Designed and developed the UI of the web site using HTML, XHTML, AJAX, CSS and JavaScript.
- * Developed entire front end and back end modules using Python on Django Web Framework.
- * Generated property list for every application dynamically using python.
- * Using Sub version version control tool to coordinate team-development.
- * Responsible for debugging and troubleshooting the web application.
- * Build all data base mapping classes using Django models and Cassandra.
- * Used Pandas API to put the data as time series and tabular format for fast time stamp data manipulation and retrieval.
- * Designed and developed data management system using MySQL.
- * Created Python and Bash tools to increase efficiency of call center application system and operations; data conversion scripts, AMQP/RabbitMQ, REST, JSON, and CRUD scripts for API Integration.
- * Created server monitoring daemon with Psutil, supported by Django app for analytics which I created. Also researched big data solutions with Cassandra database.

Environment: Python2.7, scipy, Pandas, SVN, C++, Java,

JQuery, MySQL, Linux, Eclipse, ShellScripting, AngularJS, HTML5/CSS. RedhatLinux, Apache.
Skills AJAX (5 years), AWS (3 years), Bootstrap (5 years), CSS (6 years), databases (3 years),
Django (7 years), Hadoop (3 years), Java (4 years), JavaScript (7 years), JQuery. (6 years), Linux.
(5 years), MongoDB (3 years), MySQL (7 years), Python (7 years), RESTful web services (3 years),
SOAP (3 years), SQL (5 years), UNIX (3 years), web services (4 years), XML (7 years)

Name: Andrew Miller

Email: richard03@example.com

Phone: +1-983-294-0849x036