

Sr Python Developer Sr Python Developer Sr Python Developer - NBC Universal New York, NY 7
Years of experience in Analysis, Design, Development, Management, and Implementation of various
standalone and client-server enterprise Python/Django based web-applications. (Developed
web-based applications using Python 2.7/2.6, Django 1.4/1.3). Mastering in implementing MVC
architecture using Django for web based applications in OOP concepts like Multi-Threading,
Exception Handling, and Collections. Experience with Design, code, debug operations, reporting,
data analysis and web applications utilizing Python. Developed views and templates with Python
and Django view controller and templating language to create a user-friendly website interface.
Experience in full SDLC starting from Design and Development, Testing, and documenting the entire
life cycle using various methodologies. Good experience in developing web applications
implementing Model View Control architecture using Django, Flask, Pyramid Python web application
frameworks. Strong expertise in the development of web based applications using Python,
Django, HTML, XML, Angular JS, CSS, DHTML, JavaScript, JSON, and JQuery. Built web
applications by using Python, Django, AWS, Flask, Jinja, WSGI, Fabric, PostgreSQL, REDIS.
Special skills in the development of effective, user-friendly web applications. Experiences in
requirement gathering, use case development, Business Process Flow, Business process modeling:
extensively used UML to develop various use cases, class diagrams, and sequence diagrams.
Experience with Unit testing/ Test driven Development (TDD), Load Testing. Worked on AJAX
framework to transform Datasets and Data tables into HTTP serializable JSON strings. Proficient
in writing SQL Queries, Stored procedures, functions, packages, tables, views, triggers using
relational databases like Oracle, DB2, and MySQL Experience in using various version control
systems like CVS, Git, GitHub and Amazon EC2 and deployment using Heroku. Experience in
working with Python ORM Libraries including Django ORM. Expertise in working with GUI
frameworks - Tkinter, PyQt, WxPython Experienced in WAMP (Windows, Apache, MYSQL,
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. Exceptional

problem solving and sound decision-making capabilities, recognized by associates for the quality of data, alternative solutions, confident, and accurate. 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. Used python to extract weekly hotel availability information from XML files. Used Web Services to get travel destination data and rates. Exposure in working for developing a portal to manage and entities in a content management system using Flask. Wrote AJAX framework to transform Datasets and Data tables into HTTP-serializable JSON strings. Used the Django Framework to develop the application. In depth exposure to creating API for internal and external application using REST and SOAP based design. Experienced with full software development life cycle, architecting scalable platforms, object oriented programming, database design and agile methodologies. Designed, automated the process of installation and configuration of secure DataStax Enterprise Cassandra using chef. Experienced in agile and waterfall methodologies with high quality deliverables delivered on-time. Wrote Automation test cases using Selenium WebDriver, Junit, Maven, and Spring. Participated in requirement gathering and worked closely with the architect in designing and modeling. Worked in LAMP (Linux, Apache, MySQL, and Python) Stack. Issues pertaining to Realtime data being read from RabbitMQ into Postgres and Cassandra. Performed Design and Code reviews. Worked on development of SQL and stored procedures on MYSQL. Installed and configured monitoring scripts for AWS EC2 instances also Configured and deployed project using the Amazon EC2 on AWS. Coded test programs and evaluated existing engineering processes. Developed views and templates with Python and Django's view controller and templating language to create a user-friendly website interface. Worked with team of developers, Business analysts and Data analysts on Python applications for RISK management. Utilized PyUnit, the Python Unit test framework, for all Python applications, For testing purpose, used unit test framework - unit test. Used JIRA for bug tracking and issue tracking and Used Agile Methodology and SCRUM Process. Using version control tool - GitHub with Jenkins to accumulate all the work done by team members. Collaborated with Product Management and User experience experts regarding product definition, schedule, scope and

project-related decisions. Work Experience Sr Python Developer NBC Universal - New York, NY
January 2016 to Present Django Framework that was used in developing web applications to implement the model view control architecture. ? Developing a middle-layer for serving data to front-end Web-app. Was mostly responsible to fix and re-design the buggy Django layer. ? Designed front end using UI, HTML, Bootstrap, Node JS, Angular JS, CSS, and JavaScript. ? Followed AGILE development methodology to develop the application. ? 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 performed. ? Python/Django based web application, 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. ? Exported/Imported data between different data sources using SQL Server Management Studio. ? Design and implemented custom scripts. Extensive use of version controller Team Foundation Server (TFS). ? Test and validated the custom scripts and Delivered automated solutions for science models. ? Extensive experience in system analysis, design, development and implementation of web based and client/server application using HTML, CSS, JavaScript, AJAX, Java/J2EE, Servlets, JSP, JDBC, XML, Python, Django, PHP. ? Managed, developed, and designed a dashboard control panel for customers and Administrators using Django, Oracle DB, PostgreSQL, and VMWare API calls. ? Extensively used python modules such as requests, urllib, urllib2 for web crawling. ? Implemented configuration changes for data models, Maintained and updated existing automated solutions. ? Used Amazon Elastic Beanstalk with Amazon EC2 to deploy project into AWS. ? Handled potential points of failure through error handling and communication of failure. ? 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 and Used Numpy for Numerical analysis for Insurance premium. ? Managed large datasets using Panda data frames and MySQL. ? Developed GUI using Tkinter 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 and executed User Acceptance Testing portion. ? Automated the existing scripts for performance calculations using Numpy and SQLAlchmey and Django ORM. ? Interacted with QA to develop test plans from high-level design documentation ? Implemented RESTful API which returns data from PostgreSQL in JSON format. ? Able to scrape data from external sources and put them into a central database. ? Expertise in Python scripts to parse XML documents and load the data in database. ? Design and developed data management system using PostgreSQL. ? Web service integration: customized & integrated med-fusion secure practice portal's Secure Message Web. ? Created Python Scripts to Automate AWS services which include web servers, ELB, Cloud front Distribution, database, EC2 and database security groups, S3 bucket and application configuration, this Script creates stacks, single servers or joins web servers to stacks. ? Integrated the user-facing elements developed by front-end developer with server side logic. ? Evangelized the use of web services to implement application integrations. ? Designed and implemented web application server. ? Wrote Junit test cases for unit, integration, and functional tests, run automatically by Hudson/Jenkins in the builds triggered by each push to Git. ? Built application logic using Python 2.7. Used the Django Framework to develop the application. Used Django APIs for database access. ? 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 user-friendly website interface. ? Managed datasets using Panda data frames and MySQL, queried MYSQL database queries from Python using Python-MySQL connector MySQL dB package to retrieve information. ? Developed various algorithms for generating several data patterns. ? Used JIRA for bug tracking and issue tracking. ? Developed Python/Django application for Analytics aggregation and reporting. ? Used Django configuration to manage URLs and application parameters. ? Generated Python Django Forms to record data of online users. ? Used Python and Django creating graphics, XML processing, data exchange and business logic implementation. Sr. Python Developer Liberty Global - Denver, CO May 2013 to

December 2015 Responsible for Design, develop, test and maintenance of the website ? Interaction with client to understand expectations and requirements. ? Designed and developed the UI of the website using HTML, AJAX, CSS and JavaScript. ? Developed entire frontend and backend modules using Python on Django Web Framework. ? Designed and developed data management system using MySQL. ? Rewrite existing Java application in Python and Wrote python scripts to parse XML documents and load the data in database. ? Performed testing using Django's Test Module and used PyTest for writing test cases. ? Generate Python Django forms to record data of online users. ? 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. ? Created Python Scripts to Automate AWS services which include web servers, ELB, Cloud front Distribution, database, EC2 and database security groups, S3 bucket and application configuration, this Script creates stacks, single servers or joins web servers to stacks ? Extensively used python modules such as requests, urllib, urllib2 for web crawling. ? Experience in project deployment using Heroku/Jenkins and using web services like Amazon Web Services (AWS) EC2 and AWS S3. ? Used Test driven approach for developing the application and Implemented the unit tests using Python Unit test framework ? Worked in the DevOps team, delivered new agile environments & build/release/configuration and deployment automation/monitoring using Jenkins, ant, maven, artifactory, chef, custom scripting and Jira for ticketing ? Rewrite existing Python/Django modules to deliver certain format of data ? Used Pandas library for statistics Analysis & NumPY for Numerical analysis. ? Managed large datasets using Panda data frames and MySQL. ? Exported/Imported data between different data sources using SQL Server Management Studio. ? Maintained program libraries, users' manuals and technical documentation. ? Responsible for debugging and troubleshooting the web application. ? Successfully migrated all the data to the database while the site was in production. ? Experience with automated CM and maintained a CI/CD pipeline, deployment tools such as Chef, Puppet, or Ansible. Maintained build related scripts developed in ANT, Python and shell. ? Developed views and templates with Python

and Django view controller and template language to create a user-friendly website interface. ? Developed GUI using webapp2 for dynamically displaying the test block documentation and other features of python code using a web browser. ? Generated Python Django Forms, Crispy forms to record data, login and signup of online users. ? Designed email marketing campaigns and created responsive web forms that saved data into a database using Python/ Django Framework. ? Extensive code reviewing using GitHub pull requests, improved code quality, and also conducted meetings among peer. ? Used Test driven approach for developing the application and Implemented the unit tests using Python Unit test framework. Python Developer Express Scripts - Ann Arbor, MI August 2012 to April 2013 Django Framework that was used in developing web applications to implement the model view control architecture. ? Designed front end using UI, HTML, Bootstrap, Node JS, Angular JS, CSS, and JavaScript. ? Followed AGILE development methodology to develop the application ? 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 performed. ? Python/Django based web application, 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. ? Exported/Imported data between different data sources using SQL Server Management Studio. ? Design and implemented custom scripts. Extensive use of version controller Team Foundation Server (TFS). ? Test and validated the custom scripts. Developed and executed User Acceptance Testing portion of test plan. ? Extensive experience in system analysis, design, development and implementation of web based and client/server application using HTML, CSS, JavaScript, AJAX, Java/J2EE, Servlets, JSP, JDBC, XML, Python, Django, PHP ? Managed, developed, and designed a dashboard control panel for customers and Administrators using Django, Oracle DB, PostgreSQL, and VMWare API calls. ? Extensively used python modules such as requests, urllib, urllib2 for web crawling. ? Implemented configuration changes for data models. ? Handled potential points of failure through error handling and communication of failure. ? 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 and Used Numpy for Numerical analysis for Insurance premium. ? Managed large datasets using Panda data frames and MySQL. ? Used advanced packages in AON PATHWISE for performing unit test and deploying data models. ? 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. ? Strategizing with QA team to integrate Selenium/QTP testing frameworks into the automation tools to achieve test automation process into CI/CD process. ? Responsible for user validations on client side as well as server side. ? Automated the existing scripts for performance calculations using Numpy and SQLAlchemy. ? Interacted with QA to develop test plans from high-level design documentation Python Developer Viacom, Inc - Manhattan, NY November 2009 to July 2012 For the extraction of data from the database various queries were written and a database was created using MYSQL. ? Search engine optimization by replacing existing database with MongoDB (NoSQL Database). ? To build and populate DB and to ensure the standards the team of QA was also collaborated. ? For sending and receiving the data between multiple systems RESTful Web-Services were implemented. ? Used Amazon Web Services for improved efficiency of storage and fast access. ? Architected and implemented automated cloud infrastructure using Chef and Puppet on multi-platforms on AWS Cloud Servers. ? Features for dashboard were developed and tested using CSS, JavaScript, Django, and Bootstrap. ? Git repository was created and added to GitHub project. ? Experience with the Excel and MATLAB for interfacing matrix with other languages. ? An application was developed in Linux environment and dealt with all its commands. ? Performance and consistency being the main factors of consideration the code was tuned. ? Actively worked as a part of team with managers and other staff to meet the goals of the project in the stipulated time. ? Participated in all the stages of software development lifecycle like design, development, and implementation and testing. ? Django Framework that was used in developing web applications to implement the model view control architecture. ? For database access Django

API's/Models have been used. ? Business logic implementation, data exchange, XML processing and graphics creation has been done using Python and Django. ? Views and Templates were developed with Python and Bash scripting and to create a user-friendly website interface Django's view controller and template language is used. ? Developed UI using CSS, HTML, JavaScript, jQuery and JSON. ? Developed a multi-threaded C++ SOAP web service application to process XML Requests with a scheduler option to run things at dedicated times. ? Microsoft SQL Server Stored Procedures and Python Scripts were designed and developed for Data Import/Export and Conversions. ? A Django dashboard with custom look and feel for end user has been created after a careful study of the Django admin site and dashboard. ? Unit Test Python library was used for testing many programs on python and other codes. ? Different testing methodologies like unit testing, Integration testing, web application testing was performed. Skills Django (8 years), Git (8 years), HTML (8 years), integration (8 years), INTEGRATOR (8 years) Additional Information Skills: Operating Systems: Linux (Red hat 5/6.5, CentOS 6/7, Ubuntu), Windows, MAC OS X. Languages: Python, Java. Frameworks: Django ORM, Flask, AngularJS, TurboGears, web2py, Openstack, Ember Js, Scripting languages: JavaScript, Shell Scripting. Markup languages: HTML, XML, Json. Databases: MySQL, MongoDB, MS SQL, PostgreSQL, Oracle Servers: Apache Tomcat and IBM Web sphere. IDEs: Sublime text, PyCharm, Eclipse Automation tools: Jenkins, Chef. Methodologies & tools: Agile Scrum, Waterfall Model, UML. Tracking Tools: Jira, Bugzilla. Version Control Systems: GIT, SVN, Bitbucket, CVS Cloud Computing Platforms Amazon Web Services (AWS), Cloud Foundry, Puppet, Chef, AWS Cloud Formation AWS Cloud Front, AWS Beanstalk API Integration JSON, REST, XML, SOAP Deployment Jenkins, Chef, Puppet, Salt MS office tools: Microsoft Excel, Microsoft Word, PowerPoint

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