

Sr. Python Developer Sr. Python Developer Sr. Python Developer - Cognizant Township of Warren, NJ Around 5+ years of experience in developing and designing Web Based, Multi-tier distributed applications using latest analytical programming Python, Django, Flask, JAVA, J2EE and spring technologies. Experience with all aspects of technology projects including Business Requirements, Technical Architecture, Design Specification, Development and Deployment. Hands on experience working in WAMP (Windows, Apache, MySQL, and Python/PHP) and LAMP (Linux, Apache, MySQL, and Python/PHP) Architecture. Experienced in developing web-based applications using Python, Django, PHP, XML, CSS, HTML, JavaScript and JQuery. Experienced in Python's modules Numpy, matplotlib, Pickle, PySide, Scipy, wxPython, PyTables etc. for generating complex graphical data, creation of histograms etc. Written and developed scripts for automating tasks using Jenkins and UNIX shell programming Performed Unit testing, Integration testing and generating of test cases for web applications using JUnit and Python Unit test framework. Expertise in practicing the SDLC models, Agile methods with Scrum, Extreme Programming, Ticketing systems using JIRA and TDD Good knowledge on Spark platform parameters like memory, cores and executors Familiar and Worked on various Operating Systems like UNIX (Sun Solaris, AIX), Linux and Windows. Experienced in developing Web Services with Python programming language. Experience in using UNIX shell Scripts for automating batch programs. Highly experienced in generator function, generator expression, object-oriented programming and package development Good knowledge in SOC, SOA and developing applications with RESTful services Good experience in developing web applications and implementing Model View Control (MVC) architecture using server side applications like Django, Flask and Pyramid Proficient in developing complex SQL queries, Stored Procedures, Functions, Packages along with performing DDL and DML operations on the database. Expert in using JSON based REST Web services and Amazon Web services. Experience in writing Sub Queries, Stored Procedures, Triggers, Cursors and Functions on MySQL and PostgreSQL database. Experience in Creating SAS Datasets, Data manipulation, develops data marts for preparation of reports, tables, listings & graphs. Experienced in Automation Tools like HP Operations Orchestration & System Center Orchestrator.

Application Stress tester, created and stress tested stand-alone, web-applications and generated graph reports. Used PDB, GDB and other debugging tools and deployed production hot fixes. Knowledge of deployment tools using Heroku, Jenkins, pylint, cpp Check and Coverity Worked on AJAX framework to transform Datasets and Data tables into HTTP Serializable JSON strings. Familiarity with development best practices such as code reviews, unit testing, system integration testing (SIT) and user acceptance testing(UAT) Expertise in working with GUI frameworks - PyJamas, Jython. Experienced in NoSQL technologies like MongoDB, Cassandra and relational databases like Oracle, SQLite, PostgreSQL, Dynamo DB and MySQL databases Experienced in Application Development using Python, RDBMS and Linux shell scripting and performance tuning Performed code reviews and implemented best Pythonic programming practices Experience in writing test scripts, test cases, test specifications and test coverage. Good experience in handling errors/exceptions and debugging the issues in large scale applications. Planning and Implementing, Disaster Recovery and Fault Tolerance for AWS services. Troubleshooting AWS Auto scaling and EC2 instances related issues. Authorized to work in the US for any employer Work Experience Sr. Python Developer Cognizant - Teaneck, NJ June 2016 to Present Responsibilities: Developed web applications and RESTful web services and APIs using Python, Django and PHP. Experience with Django, a high-level Python Web framework. Automated JIRA processes using Python and bash scripts. To fetch data of definite options that are selected, Python routines were written to log into websites. Automated AWS S3 data upload / download using Python scripts. Responsible for setting up Python REST API framework using DJANGO. Developed Merge jobs in Python to extract and load data into MySQL database. Created Python and Bash tools to increase efficiency of application system Developing Python Framework using Django to perform scan software unit monitoring. Design and development of user interfaces and client displays using Java Script, CSS and troubleshoot various issues in Python code and fix them with code enhancements- code used various python libraries such as Jython Built various graphs for business decision making using Python matplotlib library. Developed and tested many features for dashboard using Python, Bootstrap, CSS, and JavaScript Built various graphs for business

decision making using Python library. Implemented business logic using Python/Django

Responsible for setting up Python REST API framework using Django. Implement code in python to retrieve and manipulate data. Worked on ElementTree XML API in python to parse XML documents and load the data in database. Created entire application using Python, Django, MySQL and Linux. Worked on python based test frameworks and test driven development with automation tools. Developed a fully automated continuous integration system using Git, MySQL, Jenkins, and custom tools developed in Python. Worked on server side applications with Django using Python programming. Utilized standard Python modules such as csv, itertools and pickle for development. Worked on Python OpenStack APIs and used Numpy for Numerical analysis.

Implemented the application using the concrete principles laid down by several Java/J2EE Design patterns like Business Delegate, MVC, Session Fa ade, Factory Method, Service Locator, Singleton and Data Transfer Objects (DTO). Development of Web (Intranet) database-driven and GIS Java/J2EE applications for Oracle databases. Involved in multi-tiered J2EE design utilizing MVC architecture Spring, Struts, Hibernate and EJB deployed on Websphere Application Server connecting to an Oracle database. Developed and configured the Java beans using Struts MVC and Hibernate. Leading JavaScript Frameworks Team like Angular.js, backbone.js, bootstrap.js, Node.js. Providing a responsive, AJAX-driven design using JavaScript libraries such as JavaScript, jQuery, backbone.js, Node.js AngularJS and Bootstrap.js - Using Subversion for version control. Built a RESTful API to save and retrieve geolocations using a remote server in Java using spring, MongoDB, Apache CXF, and JAX-RS. Developed user interface using JSP, JSTL and Custom Tag Libraries and AJAX to speed the application. OOP in PHP to extend or update functionalities. The project uses MySQL as the database. Involved in Development of the application Using J2EE Technologies (Servlets, JSP, EJB, JSF, Struts). Developed the base framework using Java, JSP, Struts, CSS, HTML, JavaScript, Oracle and MS SQL Server. Involved in user interface development using JSTL. Technology leadership for the direction of the Cloud based application using Node.JS, PDFJS, Sencha, MongoDB and MS SQL Server integrating to a proprietary framework. Creation of REST WebServices for the management of data using Apache

CXF (JAX-RS) Developed HTML, CSS, Javascript and JSP pages for user interaction and data presentation. Used JDBC to connect to the information model tier. Create webservice component using REST, SOAP, WSDL, XML and XSLT to interact with the middleware Used Webservices - WSDL and SOAP for getting credit card information from third party. Used XML WebServices using SOAP to transfer the amount to transfer application that is remote and global to different financial institutions. Worked in RDBMS implementation using, SQL, PL/SQL, DB2, MySQL on Oracle database. Worked with Oracle RDBMS for writing complex queries and PL/SQL, SQL for Stored Procedures, Triggers and Events, for generating some important responses needed by the application at times. Performed Validations on UI data using JSF validators and JavaScript. Developed interfaces and their implementation classes to communicate with the mid-tier (services) using JMS. Performed J2EE application deployment using JBoss application server on Windows and Linux Performed Unit Testing and developed Unit Test Classes using JUNIT Writing JUnit test/Integration test cases for asserting functional quality Environment: Java, J2EE, Python, Django, Spring, Hibernate, JSP, Angular.js, React.JS, Node.js, bootstrap.js, backbone.js, Ibatis, HTML, Javascript, CSS, XML, WebLogic, WebServices, SOAP, Cassandra, Hadoop, PL/SQL, Junit, Oracle, MySql, REST, SOA, Git, Github, Selenium, RAD, Agile, UML, CVS, Eclipse. Sr. Python Developer Verizon - Township of Warren, NJ April 2015 to May 2016 Responsibilities: Designed the front end of the application using Python, HTML, CSS, AJAX, JSON and JQuery. Used the Django Framework to develop the application. Developed views and templates with Python and Django's view controller and templating language to create a user-friendly website interface. Used Test driven approach for developing the application and Implemented the unit tests using Python Unit test framework. Involved in implementing the complete Application in the in-build Spring MVC Architecture with Angular JS. Used JavaScript and JSON to update a portion of a webpage. Used Selenium Library to write fully functioning test automation process that allowed the simulation of submitting different requests from multiple browser to web application. Rewrite existing Python/Django modules to deliver certain format of data. 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. Wrote and executed various RDBMS, MYSQL database queries from Python using Python-MYSQL connector and MySQLDB package. Designed and Implemented Server Build Automation & Server Decommissioning Automation Implemented Apache Spark data processing project to handle data from RDBMS and streaming sources. Implemented web applications in Flask frame works following MVC architecture. Worked on front end frame works like CSS Bootstrap for development of Web applications. Also, created XML with Django to be used by the Flash Involved in deployment of project using AWS. Special skills in developing user friendly, simple yet effective web-based applications. Worked in MySQL database on simple queries and writing Stored Procedures for normalization and DE normalization. Worked within SOA based enterprise framework to build web services. Used many regular expressions to match the pattern with the existing one. Build SQL queries for performing various CRUD operations like create, update, read and delete. Performed Unit testing, Integration Testing, web application and automation testing. Taken part in entire lifecycle of the projects including Design, Development, and Deployment, Testing and Implementation and support. Worked in development of applications especially in UNIX environment and familiar with all its commands. Environment: Python 2.7 & 3.5, Django 1.6.1, Selenium, HTML-5, CSS-3, XML, MySQL, JIRA, JavaScript, Angular JS, Backbone JS, JQuery, RDBMS, CSS Bootstrap, Mongo DB-3.2, MS SQL Server-2014, T- SQL, SAS, Eclipse, Git, GitHub, AWS, Linux, Shell Scripting. Python Developer ZORO Tools Inc - Buffalo Grove, IL March 2013 to March 2015 Responsibilities: Developed the application using agile methodology and Scrum method of project management. 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 Worked very closely with designer, tightly integrating Flash into the

CMS with the use of FlashVars stored in the Django models. Design and implement Provisioning Server 5.6 upgrade to Provisioning Server 6.1. Developed test scripts for automation with Selenium. Python/Django based web application, Postgre sql DB, and integrations with 3rd party email, messaging, storage services. Architected, designed and implemented SAML and symmetric key based Single Sign On service provider systems. Build development environment with JIRA. Implemented multi-site Enterprise SOA using Oracle SOA Suite and also worked in SOA architecture WebSphere Message broker for integration. Also Created Angular JS controllers, directives, models for different modules of the application. Developed a fully automated continuous integration system using Git, Gerrit, Jenkins, MySQL and custom tools developed in Python and Bash. Involved in converting Hive/SQL queries into Spark transformations using Spark RDDs, Python. Managed, developed, and designed a dashboard control panel for customers and Administrators using Django, Oracle DB, PostgreSQL, and VMWare API calls. 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. Helped maintain existing Python (Django and Flask) applications. Interfaced with infrastructure services like Amazon AWS (S3, SQS) and used tools like Solr, RabbitMQ. Built S3 buckets and managed policies for S3 buckets & used S3 bucket and glacier for storage and backup on AWS. Used Pandas library for statistics Analysis. Designed object model, data model, tables, constraints, necessary stored procedures, functions, triggers, and packages for Oracle Database. 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, Django1.4, HTML/CSS, MS SQL Server 2012, MySQL, Script, Eclipse, GIT, GitHub, AWS, Linux, Shell Scripting. Python Developer Concentrix Insurance Solutions - Greenville, SC January 2012 to

February 2013 Responsibilities: Design, develop, test, deploy and maintain the website.

Designed and developed the UI of the website using HTML, AJAX, CSS and JavaScript. Designed and developed data management system using MySQL. Rewrite existing Python/Django modules to deliver certain format of data. Used Django Database API's to access database objects. Wrote python scripts to parse XML documents and load the data in database. Handled all the client side validation using JavaScript. Worked extensively with Bootstrap, JavaScript, and jQuery to optimize the user experience. Used Python and Django to interface with the jQuery UI and manage the storage and deletion of content. Involved in development of Web Services using SOAP for sending and getting data from the external interface in the XML format. Responsible for debugging the project monitored on JIRA (Agile). Used JQuery for all client-side JavaScript manipulation. Created unit test/regression test framework for working/new code. Using Subversion control tool to coordinate team-development. Built development environment with JIRA, Stash/Git. Developed entire frontend and backend modules using Python on Django Web Framework. Responsible for debugging and troubleshooting the web application. Created data access using SQL and PL/SQL stored procedures. Created reports in SAS and exported to Excel spreadsheets, created web reports using Web Report Studio. Performed Unit/System test.

Written many programs to parse excel file and process many user data with data validations

Environment: Python 2.6, Scipy, Pandas, Bugzilla, SVN, C++, Java, JQuery, MS SQL, Visual Basic, Linux, Eclipse, Java Script, XML, JASPER, PL/SQL, Oracle 9i, Shell Scripting, HTML5/CSS, Apache. Education Bachelor's Skills CSS (6 years), DJANGO (6 years), Git (6 years), HTML (6 years), LINUX (6 years) Additional Information TECHNICAL SKILLS: Frameworks Django, web2py, Flask, Struts, pylons and CSS Bootstrap Technologies HTML, CSS, DOM, SAX, Java Script, JQuery, AJAX, XML, Angular JS Programming Languages C, C++, Python-3.5 & 2.7, Java, SQL, SAS and PL/SQL. Python Libraries Python, Django, Flask, Beautiful Soup, httplib2, Jinja2, HTML/CSS, Bootstrap, Spark, jQuery, Numpy, matplotlib, Pickle, PySide, Scipy, wxPython, PyTables, pdb Version Control GIT (GitHub), SVN, CVS, Bitbucket. Databases Oracle, MySQL, PostgreSQL, MongoDB IDE's/ Development Tools PyCharm, and Sublime Text. Web Services

AWS, Rackspace Cloud, Amazon S3 Operating Systems Windows, Red hat Linux, MAC OSX.
Protocols TCP/IP, HTTP/HTTPS, SOAP, SNMP, SMTP, REST. Deployment Tools Heroku, Jenkins
Tracking Tools Bugzilla and JIRA. Methodologies Agile, Scrum and Waterfall

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