

Sr Python Developer Sr Python Developer Sr Python Developer - TD Bank Mount Laurel, NJ

Extensive 6+ years of experience in design, development, testing and implementation of various stand-alone and client-server architecture based enterprise application software using various technologies, analyzing complex business requirements and mapping them to system specifications.

Good experience in developing web applications implementing Model View Controller architecture using Django web application framework. Designed and implemented large scale business critical systems. Experience in developing web-based applications using Python Django. Developed web applications, RESTful web services and APIs using Python Flask and Django. Experience in implementing server side technologies with restful API and MVC design patterns in node JS and Django framework. Good knowledge of web services with protocols SOAP, REST. Good knowledge of server Apache Tomcat, Web logic. Experienced in working with various Python IDE's using PyCharm, PyScripter, Spyder, PyStudio and PyDev. Implemented different python libraries Beautiful Soup, matplotlib, numpy, scipy, pytables, python-twitter, Pandas data frame, Fabric and urllib2 in various tasks. Experienced in NoSQL technologies like MongoDB, Couch DB Cassandra, Redis and relational databases like Oracle, SQLite, PostgreSQL, DynamoDB and MySQL databases. Experience on Web development using HTML5, CSS/CSS3, JavaScript, JQuery, Angular JS, AJAX, XML and JSON by following W3C standards. Experience in developing applications using amazon web services like EC2, Cloud Search, Elastic Load balancer ELB, S3, Cloud Front, Route S3. Extensive development experience in Java, Struts, JSPs, Servlets, taglibs, Hibernate, JDBC, HTML, JavaScript, SQL, XML and JSON. Developed J2EE applications on IDE's like Eclipse, My Eclipse, Google GWT, and Rational Application Developer. Most of the applications were developed with Python, Django, and PostgreSQL using Agile Methodology. Good Experience in debugging the issues using pdb. Proficient in developing multi-threaded web services using CherryPy & bottlePy framework. Extensive experience in developing applications using Java API, Swing, HTML5, Flex, JavaScript, CSS, JQuery, JDBC, JSF, JMS, XML. Leveraging queueing architectures with Rabbit MQ for scalability, performance and building. Knowledge in working with continuous deployment using Heroku and Jenkins.

Proficient in writing unit testing code using Unit Test/PyTest and integrating the test code with the build process. Worked on Python Testing frameworks like zope, pytest, nose and Robot framework. Well versed with Agile with SCRUM, Waterfall Model and Test driven development methodologies. Experienced in writing SQL Queries, Stored procedures, functions, packages, tables, views and triggers. Work Experience Sr Python Developer TD Bank - Mount Laurel, NJ August 2017 to Present Responsibilities: Involved in software development life cycle (SDLC) of tracking the requirements, gathering, analysis, detailed design, development, system testing and user acceptance testing. Actively involved in developing the methods for Create, Read, Update and Delete (CRUD) in Active Record. Developed entire frontend and backend modules using Python on Django Web Framework by implementing MVC architecture. Rewrite existing Python/Flask module to deliver certain format of data. Created script in python for calling REST APIs. Deployed Django web application in Apache webserver and Carpathia cloud web deployment. Involved in designing user interactive web pages as the front-end part of the web application using various web technologies HTML/HTML5, CSS/CSS3, JavaScript, jQuery, Node Js, React JS, DOM, AJAX, XML, XHTML, JSON, SVG, Bootstrap, and Angular JS etc. Used Celery as task queue and RabbitMQ, Redis as messaging broker to execute asynchronous tasks. Install, configure, and troubleshoot Red Hat Enterprise Linux. Well-versed in AWS Elastic Beanstalk for application deployments and operated on AWS lambda with Amazon kinesis. Written various AWS Lambda services for Automating the process of taking EBS Snapshots every day in production environment on the cloud. Worked on MongoDB database concepts such as locking, transactions, indexes, Sharding, replication, schema design. Managed datasets using Panda data frames and MySQL, queried MYSQL database queries from python using Python-MYSQL connector and MySQL db package to retrieve information. Generated Python Django Forms to record data of online users. Developed Wrapper in Python for instantiating multi-threaded application. Deployed and monitored scalable infrastructure on Amazon web services (AWS). Designed and managed API system deployment using fast http server and Amazon AWS architecture and automated AWS S3 data upload / download using python scripts. Implemented monitoring and

established best practices around using elastic search. Generated graphical reports using python package Numpy and Matplotlib. Implemented task object to interface with data feed framework and invoke database message service setup and update functionality. Deployed and administered many MySQL RDS instances, PostgreSQL RDS instance and MSSQL database on EC2 server. Used PostgreSQL for storing and retrieving JSON format data that need to be displayed on Google maps API. Good knowledge in AngularJS and Responsive Design. Designed and implemented a tool called netconf (Network configuration) which automatically configures network switches by parsing XML files. Managed code versioning with GitHub, Bit Bucket and deployment to staging and production servers. 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. Environment: Python 2.7, Django 1.7, HTML5, CSS, XML, MySQL, JavaScript, JQuery, CSS Bootstrap, RESTful, MS SQL Server, MongoDB, Elastic Search, Ubuntu server, Windows 12 Server, Amazon S3, Jenkins, Map Box, GitHub, Bit Bucket, Linux, and Windows. Python Developer State Farm Insurance - Bloomington, IL January 2016 to July 2017 Responsibilities: Developed Views and Templates using Django's view controller and template language for the Web application.

Designed and Developed User Interface using front-end technologies like, CSS, JavaScript, AngularJS, Bootstrap, JSON and ReactJs. Developed custom directives (elements, Attributes and classes) using Javascript and angular.js. Used pandas to manipulate data and also to build various graphs for business decision making using Python matplotlib library. Used Python library Beautiful Soup for web scraping to extract data for building graphs. Expertise in performing Applied Statistics, Exploratory Data Analysis and Data Visualization using tools like ggplot2, Tableau. Developed a web application for developers to generate their own REST API calls in, JAVA, and Python. Worked with WEB API's to make calls to the web services using URLs, which would perform GET, PUT, POST and DELETE operations on the server. Created stored procedure, trigger on the database to provide/insert specific data from multiple tables for Web API services. Wrote code to support model-view-controller (MVC) pattern of Python Django framework in developing several modules for the application. Developed Application to access JSON from

Restful Web Service from consumer side using JavaScript. Developed remote integration with third party platforms by using RESTful web services. Used Restful APIs to access data from different suppliers. Set up Unix server to support a TCP/IP local net of windows XP clients. Wrote a microservice to turn our main app into a SAML Service Provider so authentication could be handled by our clients systems. Designed and managed API system deployment using fast http server and Amazon AWS architecture. Involved in development of Java concepts like Collections, Exception Handling, Multi-Threading. Worked on MVC pattern, using various frameworks. Adopted agile methods for development & delivery of the solution and participated in complete life cycle of the project (SDLC). Designed the Database, written triggers and stored procedures. Developed automation scripts to test storage appliances in Python. Rewrite existing Python/Django modules to deliver certain format of data. Experience in developing scalable front-end user interfaces using HTML, CSS, Backbone and JavaScript, JQuery, Angular.JS and Mongo DB. Automation of the build process using Continuous Integration tools like Continuum and Jenkins. Used Docker as a container service to migrate applications from cloud to the end user. Created hybrid cloud by combining private cloud and public cloud (using AWS Amazon web services) and used it for public scaling. Deployed Applications into non-production, BETA, production environments with various Application server technologies like WebLogic and Apache Tomcat. Designing the web client by using HTML, CSS, JavaScript, AJAX, EXT JS, and DOJO with JSON. Developed consumer-based features and applications using Python, Django, HTML, Behavior Driven Development (BDD) and pair based programming. Environment: Python , Django , MySQL, JavaScript, PyCharm, Git, ElasticSearch, Flask, Web2Py, Linux, Windows, JSON, JQuery, HTML, XML, CSS, REST, JIRA, Bootstrap, AJAX, AWS, JavaScript, MOCK, Pandas, Beautiful Soup, Wireshark, Flash, URLLib, Agile, GitHub, PyUnit, SQLAlchemy, Ansible, Tableau, SQL Developer, Robot, Jenkins, Chef, Matplotlib, PyTest, PyChecker, Selenium. Python Developer NetApp - Mountain View, CA August 2014 to July 2015 Responsibilities: Full Stack developer, created a custom CMS built using Django, AWS (Amazon web service), REST, Json with JavaScript++, JQuery, AJAX components, worked closely with designer. Converted Photoshop

images into XHTML/CSS. Maintained using PHP/MySQL. Used AWstat and Google Analytics to analyze web traffic. Started developing with Python sdk, Django, C++ and currently developing with Django. Deployed production site using Apache 2.0 with mod_ python. Successfully migrated the Django database from SQLite to MySQL to PostgreSQL with complete data integrity. Using django_evolution and manual SQL modifications was able to modify Django models while retaining all data, while site was in production mode. Worked using AJAX with jQuery. Worked closely with designer, tightly integrating Flash into the CMS with the use of Flashvars stored in the Django models. Also created XML with Django to be used by the Flash. Created PHP/MySQL back-end for data entry from. Imported SSL certs from other hosts to new host and properly configured Apache to use certs. Used Apache .htaccess to provide authentication system for PHP/MySQL sites. Experience using mod_rewrite to create SEO friendly links. Creating complex dynamic HTML UI using jQuery. Deployed internal wiki (PHP dokowiki) and ticketing system (Zope - Python, IssueTrackerProduct) to help document and manage tasks. Worked on JavaScript framework to augment browser based applications with MVC capability. Worked on front-end and back-end application development. Have upgraded additional functionalities and services with the use cases provided. Involved in development of various controller classes as a part of MVC framework. Worked in referential data service module to interface with various databases using JDBC. Implemented REST and SOAP based web services and published using JAX-WS. Worked on Database Schemas, HTML and XML services. Worked on Oracle Database to store and retrieve information using SQL Developer. Worked on Eclipse IDE's for build, debugging and deploy it using Apache Tomcat. Developed Build Script using MAVEN. Involved in unit testing and run test cases. Developed screens based on JQuery to dynamically generate HTML and display data to the client side. Written Struts services and DAOS in the service layer for SQL data retrieval operations using JDBC. Demonstrated Experience and advocate for test-driven development. Python and PHP web application development using the SQLAlchemy. Involved in debugging the product using Eclipse and JIRA Bug Tracking. Wrote Python scripts to parse XML documents and load the data in database. Wrote and maintained application for day to day use for

the company using Python and Django that store client data into database in json format.

Environment: Python , Django , PyCharm, JAVA, Beautiful Soup, PyTest, PyQt, Apache Cassandra, HTML5, DOM, CSS3, AJAX, JSON, JQuery, SQLite, PyQuery, JavaScript, MySQL, FTPlib, Mongo DB, PostgreSQL, Puppet, Jenkins, Pandas, XML, SQLAlchemy, T-SQL, REST, Linux, GIT, GitHub.

Python Scripting Engineer Genesis Solutions Pvt Ltd September 2012 to July 2014 Responsibilities:

Followed Agile Methodologies to manage full life-cycle development of the project. Written backend programming in Python and used the Django Framework to develop the application. Implemented user interface guidelines and standards throughout the development and maintenance of the website using the HTML5, CSS3, JavaScript, JQuery and Angular JS. Developed views and templates with Python and Django's view controller and templating language to create a user-friendly website interface. Designed and developed communication between client and server using Secured Web services. Developed and tested many features for dashboard using Python, Java, Bootstrap, CSS, JavaScript and JQuery. Used JavaScript and XML to update a portion of a webpage. Developed consumer based features and applications using Python and Django in test driven Development. Successfully migrated the Django database from SQLite to PostgreSQL with complete data integrity. Performed Unit testing, Integration Testing, GUI and web application testing using Rspec. Worked on Jenkins continuous integration tool for deployment of project. Worked on changes to open stack and AWS to accommodate large-scale data center deployment. Used Amazon Cloud EC2 along with Amazon SQS to upload and retrieve project history. Experience in project deployment using Heroku/Jenkins and using web services like Amazon Web Services (AWS) EC2, AWS S3, Auto scaling, Cloud watch and SNS. Created interactive data charts on Customer portal web application using High charts JavaScript library with data coming from Apache Cassandra. Worked on front end frame works like CSS, Bootstrap for development of Web application. Worked in MySQL database on simple queries and writing Stored Procedures for normalization. Deployed the project into Jenkins using GIT version control system. Learned to index and search/query large number of documents inside Elastic search. Creating invitation flow for customers to use the client portal for monitoring applications. Created the environment

specific settings for a new deployment and update the deployment specific conditional checks in code base to use specific checks. For the large data management used TFS and delivered reliable end product. Used advanced packages like Mock, patch and beautiful soup (b4) to perform unit testing. Worked on translation of web pages to different languages as per client requirements. Updated the client admin tool to have the new features like support for internalization, support for customer service etc. Collaborate with Product Management and User Experience experts regarding product definition, schedule, scope and project-related decisions. Worked on updating the existing clip board to have the new features as per the client requirements.

Used many regular expressions to match the pattern with the existing one. Taken part in entire lifecycle of the projects including Design, Development, and Deployment, Testing and Implementation and support. Environment: Python. Java Django, HTML5, CSS3, XML, JSON, MySQL, JavaScript, Angular JS, JQuery, CSS Bootstrap, Puppet, Postgre SQL, Amazon s3, Jenkins, Mongo DB, Elastic search, T-SQL, Beautiful soup, TFS, nose, JavaScript, Eclipse, Git, GitHub, Linux. Skills DJANGO (5 years), JENKINS (5 years), JSON (5 years), PYTHON (5 years), XML (5 years) Additional Information SKILL MATRIX: Languages: Python, Java, C, Pearl. SQL, Frameworks: Django, web2py, pyramid, Flask, Hibernate, Struts, pylons, selenium, Pyunit test and CSS Bootstrap Technologies: HTML, CSS, Java Script, JQuery, AJAX, XML, Angular JS Python Libraries: Python, Django, Flask, Beautiful Soup, httplib2, Jinja2, Tableau, HTML/CSS, Bootstrap, jQuery, Pandas, Numpy, Matplotlib, Pickle, PySide, Scipy, WxPython, PyTables, Pdb, Json. Version Control: GIT (GitHub), SVN, CVS, Bitbucket. Databases: Oracle, MySQL, PostgreSQL, MongoDB, IDE's/ Development Tools Py Charm, Sublime Text , Matlab, Eclipse , Netbeans and visual studios. Web Services: AWS, Rackspace Cloud, Azure Microsoft, Tomcat. 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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