Sr. Python Developer Sr. Python Developer Sr. Python Developer - Fidelity Investments * Over 8 Years of experience in Analysis, Design, Development, Testing, Customization, Bug fixes, Enhancement, Support and Implementation of various web, stand-alone, client-server enterprise applications using Python, C, Django, Django Rest Framework in various domains. * Experienced with Object Oriented Programming, Software Development Life Cycle, Database designs, agile methodologies, coding and testing of enterprise applications. * Experienced in developing web-based applications using Python, Django, XML, CSS, HTML, JavaScript, jQuery. * Experienced in LAMP (Linux, Apache, MySQL, and Python/PHP) and WAMP (Windows, Apache, MYSQL, and Python/PHP) Architecture. * Skilled in Developing Microservices based on Restful web service using Akka Actors and Akka-Http framework in Scala which handles high concurrency and high volume of traffic. * Experience in configuring and implementing various AWS components such as Elastic IPs, EBS, ElastiCache, Elastic Beanstalk, DynamoDB, Redshift and Cloud Formation. * Strong Development Skills on Cloud Amazon Web Service (AWS) * Familiar with JSON based REST Web services and Amazon Web services. * Strong Operational skills on Cloud Services EC2, S3, VPC, Cloud Formation, Cloud Watch, RDS, Dynamo DB, SQS, SNS, API Gateway * Experience in writing scripts using Gherkin Syntax in Behave framework in Python. * Experienced in writing Sub Queries, Stored Procedures, Triggers, Cursors, Subroutines, functions on SQL .PL/SQL and PostgreSQL database. * Worked on refactoring the code (Struts, JSP and JavaScript) by restructuring it for better performance. * Proficient in Front end development experience using Python 3.6/2.7, Django 1.7/1.8, HTML, XML, CSS, JavaScript, Bootstrap, JQuery, JSON and, Angular.js, Node.js. * Good knowledge of web services with protocols SOAP, REST and knowledge of server Apache Tomcat, Web logic. * Implemented user interface guidelines and standards throughout the development and maintenance of the website using the HTML, CSS, JavaScript and JQuery. * Hands on experience in SVN, Git, JIRA and Bugzilla worked in SQL databases MS SQL, Apache Cassandra, Oracle and MongoDB. * SQL and PL/SQL programming, developing complex code units, database triggers and using the latest features to optimize performance (Bulk Binds, Materialized views, Inline views, Global Temporary Tables) * Leveraging

queueing architectures with Rabbit MQ for scalability, performance and building. * Proficient in Unit testing/ Test-driven Development (TDD), Load Testing and Integration Testing. * Experienced in using SVN, Eclipse, Pycharm, Pyscript, Spyder, JIRA and GIT. * Used Ansible and Ansible Tower as Configuration management tool, to automate repetitive tasks, quickly deploys critical applications, and proactively manages change. * Written Python Code using Ansible Python API to Automate Cloud Deployment Process. * Good knowledge in strategy and implementation of AWS technologies such as EC2, S3, and EBS. * Having experience in Agile Methodologies, Scrum stories and sprints experience in a Python based environment, along with data analytics, data wrangling and Excel data extracts. * Experienced in various types of testing such as Unit testing, Integration testing, User acceptance testing, Functional testing. * Ability to work on own initiative and as a part of team. Willingness to learn new Technologies, openness to new ideas and ability to learn very quickly. Work Experience Sr. Python Developer Fidelity Investments - Merrimack, NH October 2017 to Present Responsibilities: Implemented or exposing the Micro services to base on RESTful API utilizing Spring Boot with Spring MVC and Apache Kafka. Developed Rest API's with python with Django framework, mongo DB for front end team. Designed DynamoDB pipeline for routing/storing of email bounce handling records. Used Pandas API to put the data as time series and tabular format for local timestamp data manipulation and retrieval and storing it into MongoDB. Created UI Screens for initiation and validation. Design and developing User Interaction screens using HTML5, XHTML, CSS3, JavaScript, Angular-JS, Bootstrap, AJAX, JSON and Gulp. Used PyQuery for selecting particular DOM elements when parsing HTML. Developed Single Page applications using angular JS2, DHTML, CSS, Semantic UI libraries. Used Python, Perl, CGI, jQuery, JavaScript and JSON at the front end and experience in Shell Scripting, SQL Server, UNIX and Linux, Open stock. Successfully migrated the Django database from SQLite to MySQL to PostgreSQL with complete data integrity. Developed various web components for screens using React.JS and used various predefined components from NPM (Node Package Manager) Wrote and executed various MySQL database queries from python using Python-MySQL connector and MySQL DB package. Used Apache Spark Scala as machine

learning language for model creation and predictions using Logistic Regression algorithm. Worked on migrating MapReduce programs into Spark transformations using Spark and Scala. Used Python for data analytics, data wrangling and extracting data using Pandas, Pyexcel, NumPy and SciPy. Added support for Amazon AWSS3 and RDS to host static/media files and the database into Amazon Cloud. Infrastructure as code with Terraform, Packer, Cloudformation, ServerSpec and Ansible to manage AWS infrastructure. Responsible for writing/modifying scripts using sh, ksh, and Bash for day-to-day administration. Experienced in developing Web Services with Python programming language and experienced in MVC frameworks like Django, Flask and Pyramid. Worked on Setup Git revision control system on Atlassian Bitbucket and local development environments. Successfully migrated the DynamoDB from PostgreSQL with complete data integrity. Used Amazon Elastic Beanstalk with Amazon EC2 instance to deploy Django project into AWS. Configured continuous integration with Jenkins on Amazon EC2. Worked in team of Architects and Developers to build and deploy Python Django Peewee Linux AWS. Worked in AWS S3 buckets, instances using python boto3. Worked on AWS SDK gem, including utilities that initialize local application environments mirroring Beanstalk environments. Created Lambda functions and python scripts to automate the AWS environments. Used AWS Cloud Watch for performing Monitoring, customized metrics and file logging and successfully completed the task in using AWS Lambda to manage the servers and run the code in the AWS. Used Django evolution and manual SQL modifications was able to modify Django models while retaining all data, while site was in production mode. Implemented AWS solutions using DynamoDB, EBS, Elastic Load Balancer, Auto scaling groups. Worked on creating the Docker containers and Docker consoles for managing the application life cycle. Setup Docker on Linux and configure Jenkins to run under Docker host. 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. Implemented SQL Alchemyas ORM mapping tool for complete access and Wrote SQL queries and maintained PostgreSQL RDBMS in the local development environment. Used Pandas library for statistical Analysis. Environment: Python 3.6/2.7, Django 2.0/1.6, Flask, HTML5, CSS, XML,

Spark, Scala Java, JavaScript, Angular JS, Backbone JS, JQuery, CSS Bootstrap, Terraform, Microservices, Mongo DB, MS SQL Server, T-SQL, Eclipse, Git, GitHub, AWS, Linux, Shell Scripting. Python Developer Petco, Sandiego - CA August 2016 to October 2017 Responsibilities:

Good experience in developing web applications and implementing Model View Control (MVC) architecture using server side applications like Django and Flask.   Experience in developing views and templates with Python and Django view controller and templating language to create a user-friendly website interface.   Developed views and templates with Python and Django view controller and templating language to create a user-friendly Website interface.   Migrated platform from physical server to virtual environment. Took it from development into production by wiring up a Nginx stack.   Consumed external APIs and wrote RESTful API using Django REST Framework and AngularJs.   Good working experience within the Django ORM or writing native SQL in SQLServer.   Developed Python Script for moving files from dropbox to Amazon server.   Build the pipelines, ran the tests in Jenkins and deployed the application in AWS   Created API Keys and Usage plans in AWS API Gateways and used the keys across the regions for using the API Gateway   Developed the notification service by posting the JSON request in AWS API Gateway, Validating the response in Lambda by getting the data from Dynamodb and sending the notification through AWS SNS.   Created AWS Secrets Manager to store the properties across the regions, retrieve the secrets and wrote a shell script to automate the process   Created AWS kinesis Firehouse and attached it to S3 bucket for having the log information and store that as Event data in the S3 storage bucket   Written Python Scripts for loading data from CSV files into the database tables.   Documented tasks in Confluence and related them to the JIRA tickets.   Extensive experience in using Python /Perl to code and design various phases for data processing pipeline Experience working with version control systems such as Git and Apache SVN for maintaining a consistent state throughout the application development process.   Involved in database-driven web application development using a variety of frameworks such as Django on Python.   Excellent experience in designing and maintaining complex SQL queries and developing PL/SQL stored procedures.   Followed the best practice of Python such as PEP-8.   Developed Python scripts to

execute Stored Procedures and load data from various forms of csv files into staging tables in SQL Server database.   Involved in back end development using Python with framework Flask Developed internal project in Flask to generate report from google analytics on daily, monthly and weekly basis.   Environment: Python 3.3, AWS, Flask, Java Script, Matplotlib, HTML, RESTful API, Angular JS, JQuery, JSON, AJAX, XML, CSS, Oracle 10G, SQL, MySQL, Bootstrap, Restful Web Services, Beautiful Soup, Jenkins, GitHub, SVN, Linux, PyCharm. Python Developer Time Warner Cable, Renton VA November 2015 to August 2016 Responsibilities: Developed Views and Templates with Django view controller and template language to create a user-friendly website interface.   Configured the Django admin site, dashboard and created a custom Django dashboard for end users with custom look and feel. Used Django APIs for database access.   Used Python and Django for XML, JSON processing, data exchange and business logic implementation.   created web-sockets by using Django to get a handle on what we needed to be done on the backend of the applications.   Deployed Application using AWS EC2 Standard Deployment Techniques.   Built database Model, Views and API's using Python for interactive web based solutions.   Used Python scripts to update the content in database and manipulate files.   Created UI using JavaScript and HTML5. Designed and developed data management system using MySQL.   Worked in MySQL and NoSQL database on simple queries and writing Stored Procedures for normalization and renormalization.   Worked on Jenkins continuous integration tool for deployment of project.   Played a key role in a development wide transition from Subversion to Git, which resulted in increase in efficiency for the development community.   Developed most of the application part in Linux environment and very much familiar with all of its commands.   Used TKinter to implement GUI for the user to create, modify and view reports based on client data.   Added support for Amazon AWS S3 and RDS to host static/media files and the database into Amazon Cloud.   Implemented Restful Web-Services for sending and receiving the data between multiple systems.   Written Cloud formation templates and deployed AWS resources using it.   We used to send text data through we sockets with most APi's and JSON.   Gained Knowledge on Deploying app using AWS Cloud Formation.   Used Python Library Beautiful Soup for web-Scrapping. ss.   Responsible for

debugging and troubleshooting the web application.   Environment: Python 2.7, Flask, Java Script, Matplotlib, HTML, Angular JS, JQuery, JSON, AJAX, XML, CSS, Oracle 10G, SQL, MySQL, Bootstrap, Restful Web Services, Beautiful Soup, Jenkins, GitHub, SVN, Linux, PyCharm. Python Developer Value Labs - Chicago, IL September 2014 to November 2015 Responsibilities: Develop and maintain automated tests using Python and the Robot test framework.   Developed entire frontend and backend modules using Python on Django Web Framework.   Designed and developed the UI using ReactJs, HTML, AJAX, CSS and JavaScript   Implemented several Socket, TCP/IP, UDP, XMLRPC programs to retrieve data from various data centers.   Built python framework to transform Datasets and Data tables into HTTP-serializable JSON strings.   Used Python in-built libraries urllib2 and beautiful soup modules for web scraping.   Developed Python scripts to store read and write data to CSV files.   Developed scripts to read and dump data to MySQL database.   Worked in Agile and scrum environment which includes daily standup and sprint planning.   Implemented automation script using Crontab in python to run the web crawler.   Used cURL for web scraping contents that cannot be scraped normally.   Wrote python scripts to read and write from csv files to database using Django ORM.   Used R-Analytics for analyzing data and plotting Pie Charts, Bar Charts, Box plots, Histograms, Line Graphs, Scatter plots.   Implemented Google Python Coding Style and PEP-8 while working with various teams.   Built python frameworks using Numpy and Pandas for data analysis.   Environment: Python 2.7, Python, Django 1.6, Django REST Framework, Flask, XML, HTTP, Ajax, Bootstrap, JSON, HTML, CSS, jQuery, Pandas, Bugzilla, GITHUB, Java Script, PL/SQL, Microsoft SQL Server, Shell Scripting, Amazon Web Services (AWS) Python Developer Merchant Link - Silver Spring, MD November 2012 to September 2014 Responsibilities: Managed datasets using data frames and MySQL, queried MYSQL database queries from python using Python-MySQL connector MySQL dB package to retrieve information.   Development of real-time multi-tasking systems using Python.   Designed and developed components using Python with Django framework. Implemented code in python to retrieve and manipulate data.   Used Python & Django creating graphics, XML processing of documents, data exchange & business logic implementation between servers.   Worked on

development of backend services using Python, SQL and Linux. Created many API's for I scrum project which involves creating and maintaining projects in an organization. and developed UI using HTML, CSS and JavaScript.   Developed backend services and created many API's using Python Programming Language and SQL.   Involved in developing a video calling application using python web-sockets.   Performed research regarding Python Programming and its uses and efficiency. Developed GUI screens for XTT & LD application using JSP, HTML and CSS.   Wrote JavaScript functions to get Dynamic data and Client-side validation.   Used jQuery to make the frontend components interact with the JavaScript functions to add dynamism to the web pages at the client side.   Implemented a Node.js server to manage authentication.   Created Node.js middleware application server to encapsulate modern JS widget framework Worked with JSON objects and JavaScript and jQuery intensively to create interactive web pages.   Implemented web based front-end using HTML, CSS, jQuery, and AngularJS.   Involved in developing the UI panels using JSF, XHTML, CSS, DOJO and jQuery.   Set up the deployment environment on Web Logic Developed system preferences UI screens using JSP and HTML.   Created a Rich Single Page Application using HTML, CSS, Angularjs, JQuery and REST Services.   Designed and implemented UI layer using JSP, JavaScript, HTML, DHTML, JSON, XML, XHTML, XSL, XSLT, XSL-FO.   Used Backbonejs, Node.js, Bootstrap and other javascript libraries to create intuitive and rich Single Page Applications.   Used JQuery JavaScript libraries for providing richer user interface and facilitates asynchronous request invocations using AJAX.   Developed Dash-Board to monitor and report Cache Coherence Servers.   Prepared statements are used for communication Sql database. Involved in Requirement analysis, design and Implementation applying the Water fall model. Environment: Python, Django, HTML, CSS, JavaScript, Ajax, JSON, jQuery, MySQL, TOAD, SQL, DB2, Apache Axis, WSDL, NetBeans, JBOSS, Mercurial, Coherence, ClearCase, Selenium, Water Fall Model, UML, JSP, Servlet, Ant, XML, Jira, Swing, Congo's. Python Developer SkyREC - TW November 2010 to June 2012 Responsibilities: Involved in the development of front end of the application using Python 2.7, HTML, CSS, AJAX, JSON and Jquery.   Developed GUI using Python and Django for dynamically displaying the test block documentation and other features of python

code using a web browser.   Developing applications using RESTFUL architecture using Node.js and PHP as backend languages.   Used python packages like cx oracle, pyodbc and MySQL data base for working with Oracle, SQL Server and MySQL DB respectively.   Designed the front end of the application using Python, HTML, CSS, AJAX, JSON and Jquery.   Responsible for setting up Angular JS framework for UI development. Developed html views with HTML, CSS, JSON and Angular JS, Adobe flash. Wrote and executed various MYSQL database queries from python using Python-MySQL connector and MySQL dB package.   Developed application using Amazon Web Service like EC2, cloud search, Elastic load balancer ELB, S#, CloudFront Deploy and monitor scalable infrastructure on Amazon web services (AWS) & configuration management using puppet. Writing SOAP and RESTful web services, in house ESB for a web claims application (Spring MVC, Angular JS, Active MQ, SOAP UI, Mockito, JSON, Build forge)   Develop consumer-based features and applications using Python, Django, HTML, Behavior Driven Development (BDD) and pair-based programming.   Used Python and Django to interface with the jQuery UI and manage the storage and deletion of content.   Implemented migration tasks from Oracle apps to PostgreSQL databases.   Responsible for writing/modifying scripts using sh, ksh, and Bash for day-to-day administration. 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.   Designed front end using UI, HTML, Bootstrap, Node JS, underscore JS, Angular JS, CSS, and JavaScript.   Wrote python scripts to parse XML documents and load the data in database.   Developed entire frontend and backend modules using Python on Django Web Framework   Organized data exchange and integration with customers and third-party systems using CSV, XLS, XML, DBF, JSON, REST, SOAP.   Environment: Python 2.7, Python, Django 1.6, Django REST Framework, Flask, XML, HTTP, Ajax, Bootstrap, JSON, HTML, CSS, jQuery, Node Js, Angular Js Pandas, SOAPUI, Mockito Bugzilla, GITHUB, Java Script, PL/SQL, Microsoft SQL Server, Shell Scripting, Amazon Web Services (AWS) Skills CSS (7 years), HTML (7 years), jQuery (7 years), JSON (7 years), MYSQL (7 years) Additional Information Technical Skills: Operating Systems: Unix, Linux, Windows and Mac Programming Languages: Java, C, C++, Python 3.6, 3.3,

/2.7/2.4, Perl, Ruby, Scripting Languages: CSS, Java Script, JQuery, Shell Scripting Markup languages: HTML, XML, JSON Analytics Tools: JMP PRO, SAS, Tableau, UCI NET, Node XL, MVC3 Python Libraries: Beautiful Soup, numpy, matplotlib, python-twitter, Pandas data frame, urllib2. Databases: Oracle 10/11g, MySQL, SQL Server and PostgreSQL Servers: Apache Tomcat, IBM Web sphere, RESTful web services Tools: Intellij, PyCharm, FileZilla, PL/SQL Developer, and TOAD Integration Tools: Jenkins and Web Builder Version Control: GitHub and SVN Defect Tracking: JIRA, Git, and VersionOne Methodologies & tools: Object Oriented Programming, UML, Agile Scrum Cloud Services: AWS, Azure

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