Sr. Python Developer Sr. Python Developer Sr. Python Developer - Amazon Seattle, WA Authorized to work in the US for any employer Work Experience Sr. Python Developer Amazon - Seattle, WA October 2016 to Present Responsibilities: Involved in Developing a Restful service using Python Flask framework. Made Django web-based apps for Insurance premium calculations. Developed entire frontend and backend modules using Python on Django Web Framework with GIT Designed and managed API system deployment using fast http server and Amazon AWS architecture Developed Merge jobs in Python to extract and load data into MySQL database Successfully migrated the Django database from SQLite to MySQL to PostgreSQL with complete data integrity Used Test driven approach for developing the application and Implemented the unit tests using Python Unit test framework Reviewed and implemented instrument pricing and modelling methodologies in collaboration with technical engineers. Analyzed and documented how instrument prices move as underlying market data sources change Good hands on experience in data warehouse developer/ database engineer for high-volume data processing Actively participated in requirement gathering sessions and capability planning for multi data center Cassandra cluster Generated property list for every application dynamically using Python modules like math, glob, random, itertools, functools Installed, Configured, administered and monitored multi Data center Cassandra clusters Involved in upgrading the present Oracle data model to Cassandra data model Evaluated and tuned data model by running endurance tests using JMeter, Cassandra Stress Tool and OpsCenter Providing support for Linux servers and workstations in Department of Physics Installing and configuring NIS servers to authenticate between Linux, Apple and Windows environments Writing bash shell scripts on local setups to automate jobs Designed front end using UI, HTML, CSS, and JavaScript Involved in the Complete Software development life cycle (SDLC) to develop the application Full Stack Developer for custom Drupal 7 build. Responsibilities included site maintenance, new feature development and user support Followed AGILE development methodology to develop the application Used Test driven approach (TDD) for developing services required for the application. Environment: Python 2.7, PyQT, .NET, PyQuery, MVW, HTML5, CSS3, DOM, Angular.js, Shell Scripting, JSON, Rest, Apache Web Server, Django,

SQL, UNIX, Windows, PostgreSQL, and python libraries such as Numpy, sqlalchemy, etc. Sr. Python Developer Caterpillar - Mossville, IL November 2014 to September 2016 Responsibilities: Involved in the project life cycle including design, development and implementation and verification and validation   Developed the application front end using HTML, CSS, JavaScript, Bootstrap, Django framework   Designed applications implementing MVC architecture in Pyramid, Zope frame works.   Created a Python/Django based web application using Python scripting for data processing, MySQL for the database, and HTML/CSS/JQuery and HighCharts, matplotlib for data visualization of sales, tracking progress, identifying trends   Developed data-accessible web applications for employee accesses using HTML5, CSS3, JavaScript and Django   Participate in the design, build and deployment of NoSQL implementations like MongoDB   Added support for Amazon AWS S3 and RDS to host static/media files and the database into Amazon Cloud. Worked on creation of custom Docker container images, tagging and pushing the images. Integrated to Google Cloud platform for large scale computing workloads.   Extensive code reviewing using GitHub pull requests, improved code quality, also conducted meetings among Team.   Developed server based web traffic using RESTful API's statistical analysis tool using Flask, Pandas.   Wrote PL/SQL views, Stored Procedures, database triggers & Packages. Implemented table sorting feature on the webpages regardless of the type of data types with the use of JavaScript   Enhanced by adding Python XML SOAP request/response handlers to add accounts, modify trades and security updates   Recording of Scripts Web Services HTML using Vugen and SoapUI and script validation through co correlations, parameterizations and other methods   Worked with RDBMS like Oracle 11g/10i and MySQL databases to query and read data.   Developed various Python scripts to find vulnerabilities with SQL Queries by doing SQL injection, permission checks and performance analysis   Developed scripts to migrate data from proprietary database to PostgreSQL   Implemented continuous integration using Jenkins and involved in the deployment of application with Ansible automation engine   Created backend database T-SQL stored procedures and Jasper Reports.   Performed Unit testing, Integration Testing, GUI testing using Pytest and web application testing using Selenium Python bindings   Designed many UML

diagrams in Magic Draw for generating C++ code on the fly.   Used Embedded Coder for translating models into model source code and executable in QNX Real Time Operating System(RTOS) single-tasking mode   Writing the assembly language program and debugging   Developed applications in QT creator   Conversion of the analog to a digital voltmeter with the help assembly language and plc programming   Used Selenium Library to write fully functioning test automation process that allowed the simulation of submitting different requests from multiple browsers to web application   Debugged and Tested Android app using Charles debugging session as man-in-middle proxy and monitored traffic flow through the devices   logged user stories and acceptance criteria in JIRA for features by evaluating output requirements and formats   Executing regression tests on each release and verified bugs found from automation test in Bugzilla   Collaborate with Product Management and User Experience experts regarding product definition, schedule, scope and project-related decisions Environment: Python 2.6, Scipy, Pandas, Bugzilla, SVN, C++, Java, JQuery, MS SQL, Linux, Eclipse, Java Script, XML, JASPER, PL/SQL, Oracle 9i, Shell Scripting, HTML5/CSS, Apache. C++/ Python Developer Rackspace - San Antonio, TX December 2012 to October 2014 Responsibilities: Involved in the Complete Software development life cycle (SDLC) to develop the application   Analyzed programs with outmost efficiency and priority to manage UNIX based Application Credit Engine and Data Consolidator for Impact Analysis   Designed and developed components using Python with Django framework. Implemented code in python to retrieve and manipulate data and deployed the application in Linux environment   Embedded AJAX in UI to update small portions of the web page avoiding the need to reload the entire page   Used Agile Methodology and SCRUM Process   Developed a desktop-based application to keep record of customer, production, sales and marketing data. MS SQL Server used as database to store records   Developed multi-threaded standalone app in python, C++ to view Circuit parameters and performance   Involved in upgrading the present Oracle data model to Cassandra data model.   Administered and monitored multi Data center Cassandra cluster based on the understanding of the Cassandra Architecture   For desktop-based application development, used Oracle as the database server. Wrote code in SQL Programming for database queries

Involved in development using C++, bug fixing and unit testing of the Layout commands   Used Django configuration to manage URLs and application parameters   Involved in development of Web Services using SOAP for sending and getting data from the external interface in the XML format   Worked on Python OpenStack APIs and used Numpy for Numerical analysis of the algorithms   Helped maintain existing Python (Django and Flask) applications. Interfaced with infrastructure services like Amazon AWS (S3, SQS) and used tools like Solr, RabbitMQ.   Designed and maintained databases using Python and developed Python based API (RESTful Web Service) using Flask and PostgreSQL   Optimized the database queries to improve the performance Extensive code reviewing using GitHub pull requests, improved code quality, and also conducted meetings among peer   Using SVN version control tool to coordinate team-development.   Worked on development of SQL and stored procedures on MYSQL. Environment: Python 3.3, Django 1.6, HTML5, CSS3, XML, MySQL, JavaScript, C++, AngularJS, Backbone JS, JQuery, CSS, Bootstrap, MS SQL Server, T-SQL, JavaScript, Eclipse, Git, Linux, Perl. Python Developer Johnson & Johnson - Titusville, NJ April 2009 to November 2012 Responsibilities: Involved in the Analysis, design, and architecture of the application   Worked on requirement gathering and High-level design   Created PHP/MySQL back-end for data entry from Flash I had to assist the Flash developer send the correct data via query strings   Converted Visual Basic Application to Python, MySQL   Generated Python Django Forms, Crispy forms to record data, login, and signup of users   Experience in development test automation   Generated various reports in Python for channel usage, system downtimes, catching exceptions, and performance related metrics   Designed and Implemented a Unique Test Selector Package on processing large volume of data using Python and Django ORM   Skilled in using collections in Python for manipulating and looping through different user defined objects Designed email marketing campaigns and created responsive web forms that saved data into a database using Python/ Django Framework   Skilled in using collections in Python for manipulating and looping through different user defined objects   Created database tables, functions, stored procedures and wrote prepared statements using PL/SQL   Modified queries, functions, cursors, triggers, and stored procedures for MySQL database to improve performance, while processing data

Performed different testing methods like Unit testing, Integration testing, web application testing.
Involved in capturing the requirements for serial functional interface and other software requirements
specification document   Extensive code reviewing using GitHub pull requests, improved code
quality, and conducted meetings among peers   Responsible for Parsing XML data using XML
parser and Testing, fixing of the bugs and coding modifications   Database Administration activities
like taking backup, checking log messages, looking for database optimization   Used Redis as
messaging broker to execute asynchronous tasks   Designed and implemented a dedicated
MYSQL database server to drive the web applications and report on daily progress   Environment:
Python, Django 1.4, Jenkins, MySQL, Linux, HTML, CSS, Apache, Linux, Git Education Bachelor's
Skills Sr. Python Developer

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