Python Database Programmer Python Database Programmer Python Database Programmer - First Republic Bank   Over 7 years of experience as a Python Developer, proficient coder in multiple languages and environments including Python 3.4 /2.7, Django 1.9/1.7, REST API, AWS, C, C++ and SQL.   Developed web applications and RESTful web services and APIs using Python Django and PHP.   Experienced in LAMP (Linux, Apache, MySQL, and Python/PHP) Architecture. Experienced in UI development using HTML5/CSS3, DHTML, JavaScript and JQuery.   Experience with Amazon Cloud EC2, Simple Storage Service S3 and Amazon SQS.   Well versed with design and development of presentation layer for web applications using technologies like HTML, CSS, and JavaScript.   Strong Database experience in Oracle , MYSQL and MongoDB.   Experienced in working with various Python IDE's using PyCharm, PyScripter, Spyder, PyStudio and PyDev. Worked on Data analysis, Data extraction and Loading using Python, Oracle and NOSQL databases   Good experience in Shell Scripting, SQL Server, Unix and Linux, Open stock and Expertise python scripting with focus on Devops tools, CI/CD and AWS Cloud Architecture.   Develop ETL packages using SQL*Loader SSIS to insert datasets to Oracle/SQL   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.   Well versed with Agile with SCRUM, Waterfall Model and Test driven development methodologies. Authorized to work in the US for any employer Work Experience Python Database Programmer First Republic Bank - San Francisco, CA June 2017 to Present Responsibilities: Created a Python/Django based web application using Python scripting and MySQL Workbench for the database, and HTML/CSS/JQuery and High Charts for data visualization of the served pages   Successfully migrated the Django database from MySQL Workbench to PostgreSQL with complete data integrity.   Designed and developed ETL processes that were used to integrate data between various sources using Informatica   Extensive experience in deploying, managing and developing Oracle SQL developer clusters.   Created Automated Test Scripts in Python for Reports and Data extraction jobs. Developed scripts in python for Financial Data coming from SQL Developer based on the requirements specified.   Refactored existing batch jobs and migrated existing legacy extracts from

Informatica to Python based micro services and deployed in AWS with minimal downtime. Worked on Python Open stack API's, used Python scripts to update content in the database and manipulate files. Worked on JIRA for bug tracking and communicating for better results. Added support for Amazon AWS S3 and RDS to host static/media files and the database into Amazon Cloud. Writing Sub Queries, Stored Procedures, Triggers, Cursors, and Functions on MySQL and PostgreSQL database. Involved in Loading, analyzing and extracting data to and from Oracle database with Python. Worked with python Unit test library which was used for testing many programs on Python and other codes. Checked error & tested the ETL procedures & programs using Informatica session log. Involved in the complete software development life cycle (SDLC) to develop the web application. Wrote Python scripts to parse XML documents and load the data in database. Coding application using Python, Django in End-to-End Web application development using MVC architecture while front-end is built on CSS3 and HTML5. Used Test Driven Approach for developing the application and implemented the unit tests using Python Unit Test framework called PyUnit. Created Database Schema for MySQL Database and involved in designing ER-Diagrams using Microsoft Visio. Used JavaScript for Dynamic Page Functionality, popup screens and the user entry validations. Python Developer DoorDash - San Francisco, CA November 2015 to June 2017 Responsibilities: Analyzed system requirements specifications and also involved client interaction during requirements specifications. Involved in the development of front end of the application using Python 2.7, HTML5, CSS3, AJAX, JSON and JQuery. Worked on backend of the application, mainly using Active Records. Involved in analysis and design of the application features. Designed and developed communication between client and server using Secured Web services. Designed and managed API system deployment using fast http server and Amazon AWS architecture. Deploy and monitor scalable infrastructure on Amazon web services (AWS) & configuration management using puppet. Responsible for OpenStack project core infrastructure including code review, continuous integration systems, and developer tools. Used configuration management tools like Chef and puppet. Created Python and Bash tools to increase efficiency of application system and operations, data conversion scripts REST, JSON, and CRUD scripts for API

Integration   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.   Worked on Python OpenStack APIs and used Numpy for Numerical analysis. Good knowledge on Python Collections and Multi-Threading   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.   Creating and configuring virtual development environments with Chef and Virtual Box. Used Test driven approach for developing the application and Implemented the unit tests using Python Unit test framework.   Worked on Openstack Swift for moving large data files using Keystone and Horizon and integrated them into the web services and client server application Deployed DevOps using Puppet, Dashboard, and Puppet DB for configuration management to existing infrastructure   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 and created UI using JavaScript and HTML5/CSS3.   Developed and tested many features for dashboard using Python, Java, Bootstrap, CSS, JavaScript and JQuery.   Strong understanding and knowledge of Linux, automation and CI Tools like Chef, Hudson, Jenkins & Git with scripting languages (Shell, python, pearl and ruby) Responsible for OpenStack project core infrastructure including code review, continuous integration systems, and developer tools   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. Python Developer Verizon - Walnut Creek, CA October 2012 to October 2015 Responsibilities: Implemented user interface guidelines and standards throughout the development and maintenance of the website using the HTML, CSS, JavaScript and JQuery.   Implemented AJAX for dynamic functionality of web pages for front end applications. Used Ajax and JQuery for transmitting JSON data objects between frontend and controllers. Worked on front end frameworks like CSS Bootstrap for responsive web pages.   Used Jenkins for

continuous integration services.   Implemented presentation layer using CSS framework, Wire-Framing and HTML5   Worked on server side applications with Django using Python programming.   Automated the existing scripts for performance calculations using machine library like Numpy and SQL Alchemy for Insurance premium.   Used Airflow for Data warehousing, Growth analytics, Email targeting, Sessionization, Data infrastructure maintenance.   Developed python code for different tasks, dependencies, SLA watcher and time sensor for each job for workflow management and automation using Airflow tool.   Developed views and templates with Python and Django's view controller and templating language to created user-friendly website interface.   The Batch process was developed using Java and SQL Stored Procedures.   Utilize continuous integration and automated deployments with Jenkins, Ansible and Docker.   Developed core functionality with the ASP.NET MVC 4 Framework (C#.NET, Hibernate).   Delivered automated solutions for science models and maintained & updated existing automated solutions.   Maintaining SQL server database and updating PHP Script.   Experience in project deployment using Heroku/Jenkins and using web services like Amazon Web Services (AWS) EC2 and AWS S3. Played a key role in the planning, testing, and implementing system enhancements and conversions. Worked closely with project manager in handling the whole project.   Developed the project in Linux environment and involved in support for teams for projects across Python Developer TCS - Bengaluru, Karnataka January 2010 to September 2012 Responsibilities: Interacted with management and developers in a daily scrum to discuss test cases and schedules   Used Bootstrap and Angular UI Bootstrap for creating rich, Responsive UI Screens for varying screen sizes and devices.   Developed multi-threaded standalone app in Python, Perl, PHP, C++ to view Circuit parameters and performance.   Web application development using Python 3.5, Django 1.9, Flask, MongoDB, JavaScript, AJAX, HTML, XML and template languages.   Developed and tested many features in an AGILE environment using Ruby on Rails, HTML5, CSS, JavaScript, and Bootstrap. Worked on different Rest API's and involved in handling the JSON responses of those API's Experience involving designing, development, testing, implementation and support of applications using Perl.   Hands-on experience on SCM tools like GIT, containers like Docker and familiar with

Jenkins, CHEF.   Responsible for writing code in Object Oriented Programming supported by Ruby on Rails in Agile SCRUM environment.   Written with object-oriented Python, Flask, SQL, Beautiful Soup, httplib2, Jinja2, HTML/CSS, Bootstrap, jQuery, Linux, Sublime Text, git.   Implemented user interface guidelines and standards throughout the development and maintenance of the website using the HTML, CSS, JavaScript and JQuery.   Worked on UI using HTML5, RectJs, CSS3 and Java Scripts, AngularJS.   Developed and tested many features for dashboard using Ruby on Rails, Bootstrap, CSS JavaScript, and Rspec.   Experience in DevOps processes for build and deploy systems. Created and built out QA Automated Test frameworks.   Developed Merge jobs in Python to extract and load data into MySQL and MongoDb database.   Successfully migrated Django database from SQLite to PostgreSQL with complete data integrity. Skills DATABASE (8 years), DJANGO (8 years), JAVASCRIPT (8 years), PYTHON (8 years), AJAX (7 years) Links http://www.linkedin.com/in/lavanya-kandanoor-96057315a   Additional   Information   Technical Proficiency: Languages: Python 2.7/2.4, C++, C, PHP, Shell Script, Perl, SQL   Framework: Django 1.3/1.4   Database: Oracle 11/10g, PL/SQL, MySQL, SQL Server 2008,MongoDB, Cassandra, PostgreSQL, Amazon AWS cloud, Amazon Cloud EC2   Web Technologies: AJAX, JavaScript, AngularJS, Javascript, pyQT,pY2EXE, HTML, DHTML, XHTML, XML   Versioning Tools: Git, Mercurial, Perforce, SVN, CVS   Appl/Web servers: Apache, IIS   Operating systems: Linux/Unix, MAC OS,FreeBSD,XINU

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