**BALA RAVI TEJA MOKHAMATAM**

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**PROFESSIONAL SUMMARY**

* Having 4.7 years of IT experience in designing,developing and implementing software applications using python on unix platform.
* Built Web application using Python and Azure web service.
* Having Experience in working with **Informix** RDBMS.
* Proficient in SQL databases DB2 with hands on Sub queries, Joins, SQL Functions.
* Having strong object-oriented programming (OOP) concepts using Python.
* Having good experience in working with various module Logging, OS, Subprocess, JSON.
* Having good hands on experience in cosnuming REST API’s using Python
* Having good hands on experience in developing service using Flask.
* Having knowledge on using build tool maven.
* Having Good knowledge of Unix commands.
* Experience in working with Pandas, Files, Exception handling Mechanisms and decorators.
* Experienced in working with various Python Integrated Development Environments, PyCharm, Eclipse and Super Putty
* Experienced in working in agile development environment along with agile tools like Jira .
* Having good knowledge in working with Version conrol tools such as Git.
* Self-motivated individual with strong analytical and problem-solving abilities.
* Proactive, Dedicated, interested in learning new technologies.
* Having hands on experience on working with csv files .

**EDUCATIONAL DETAILS**

* **Integrated Masters** in **SoftwareEngineering**with an aggregate of 8.51 CGPA from **Vellore institute of technology(VIT)**,Vellore.

**TECHNICAL EXPERTISE**

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| Programming Languages | **Python**,Cobol,Core Java . |
| Scripting Languages | Python,basic knowledge on shell scripts |
| IDEs | Visual studio,Eclipse |
| Build Tools | Maven |
| Databases | DB2,Informix,Mysql |
| Programming Tools  | Putty, Pycharm, DBeaver |
| Operating System | Windows,Linux |
| Framework | Flask, Springboot |

Web Technologies HTML5, CSS

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**PROFESSIONAL EXPERIENCE**

* Working in Infosys Limited, Hyderabad as a Technology Analyst from October 2019 to till date.
* Worked in Infosys Limited, Hyderabad as a Senior Systems Engineer from January 2018 to September 2019.
* Worked in Infosys Limited, Hyderabad as a Systems Engineer from July 2016 to January 2018.

**PROJECT DETAILS**

* **PROJECT #1:**
* **Project Title :CPP**
* **Client : Retail** .
* **Role : Python Developer**
* **Databases : Informix, DB2.**
* **Technologies Used : Python, Flask, Azure**
* **Duration : DEC 2017 to JAN 2021.**

**PROJECT DESCRIPTION**:

Our Client is one of the top 5 pharmacy chains holding company in the US by revenue. We have

multiple modules which are built on Python 2.6.8 and updated to python3 in order to implement transfer of data from the source database to the centralized database in Azure cloud and confirming data has been processed successfully up on responses from service to update the source database.

**RESPONSIBILITIES:**

* Understanding the functional design documents, mapping design documents and business requirements.
* Attending scrum meetings being a developer in agile environment .
* Involved in enhancing Unix scripts to install python program files, configuration files and required metadata from Git repository to a Unix environment store box..
* Direct interaction with client to seek and provided valuable suggestions to meet the requirements.
* Created documents on newly developed modules and giving a walk through for QA to explain the enhancements or functionaliies.
* Performing **Deployement** in to stores followed by validation at stores and azure for logs getting flowed and resolving production issues.
* **Developing following modules**

**MODULES**:

**#1 Logging:**

A common module used throughout the project to log the data with different log levels and unique request tracking ids**.**

**#2 Data Syncers:**

Modules which operates on 4 different table data to perform select and update operations before merging this data in to a common table of centeralized database.

Data collected from individual tables is sent over a **RESTFUL API** in form a **JSON** data before updating it in a common table as per the response from api**.**

**#3 Encrypter and Decrypter:**

Common module to encrypt and decrypt sensitive data like Passwords ,client ids and instrumentation keys required to hit apis using openssl and latest python 3 cipher modules

**#4 Log Shipper:**

A program that collect all the log files of other programs mentioned in its configuration file and Send them to **LOG ANALYTICS of AZURE**.

**#5 Monitor:**

Program which runs on **parallel threads** to monitor all the existing services,critical queries,Programs which are located in a **json format based config file.**

**DATA SYNCERS,LOGS SHIPPER,MONITOR modules are 24\*7 running daemons.**

**AZURE:**

 **Application insights** (telemetry details are send from programs) and **log analytics** are 2 resources from azure used by us to check the programs are in good shape from being notified with mal functioning alerts**.**

 **Retriving JWT token using ADAL and MSAL librraies**

**Flask service :** Developed a flask service and used GUNICORN server as well.

**Project#2**

**Title :** VZ-ETNI

**Client :** Verizon

**Role :** Java developer

**Duration** **:** JAN 2017 to NOV 2017

**Technologies used :** Spring Boot ,Spring Boot MicroServices, Restful Webservices

**Data Base** : Cassandra, DB2

**IDE/Tools used :** Spring tool suite(STS),Maven, Tortoise Git

**Description:**

Verizon is an American telecommunications company which offers [wireless](https://en.wikipedia.org/wiki/Wireless) products and services related to the telecommunication networks. Verizon Wireless provides service to 118.7 million subscribers.

VZ-ETNI is a telephone number inventory system where we develop wide variety of API’s performing different functionalities.