M. Siva Naga Raju
Mobile: +91-8985111673   E-mail: siva.m504504@gmail.com

Career Objective

Looking for challenging and growth oriented career where my knowledge is used to impact organization goals and at the same time enrich my profession and skills.

Professional Summary

- Total around **6 years of Professional IT experience.**
- **Knowledge on Machine Learning Modules like Logistic Regression, Linear Regression, Support Vector Machine algorithms etc.,**
- **Knowledge on Generative AI (Lang chain eco system, LLAMAINDEX)**
- Having experience with **Python (Automation)**, **Pandas, NumPy, Matplotlib, Seaborn, SKLEARN.**
- Working Experience on **Docker** and Creating CI/CD pipelines in azure DevOps for application deployments in Azure. knowledge of **Kubernetes**.
- Having experience of **Django**, Knowledge on **Flask.**
- Having experience on **HTML**, **CSS, JavaScript, ReactJS.**
- Knowledge on **Airflow for Data Migration** for different Data Migration Paths.
- Good Extensive experience in Developing/Handling highly interactive specially and writing **Automation Scripts** by using **Python.**
- Worked **Rest API Services** Using **HTTP Protocols like GET, POST, DELETE, PUT** etc**.**
- Working experience in GUI screens using **Python TKINTER**.
- Working experience with Object oriented programming concepts.
- Good understanding and experience with databases like **MySQL**, **PostgreSQL**, **SQL Server, Oracle**.
- Knowledge and Understanding of NOSQL database **Mongo DB**.
- Proficient understanding of code versioning tools, such as **Git**.
- Ability to handle multiple tasks and work as in a team Members.
- Excellent analytical, problem solving and programming skills.
- Committed, goal oriented, & has zeal to learn new things & technologies.
- Possess good problem solving & interpersonal skills, having capability to work alone.
- Experience on AZURE Pipeline flow process and Strongly following **SCRUM Model or Sprint** Organizing
- Experience on **Pytest with Playwright Automation Tool**.
- Experience on **AWS (EC2/LAMBDA, S3)** services.

Work Experience

- Working as Technical Analyst in **Quadrant Technologies** from **March 2019 to till date**.

Highest Qualification

- Completed BTech in EEE from Chalapathi Engineering College, Guntur (AP) affiliated to JNTUK.
- Diploma in Al-Huda Polytechnic Collage in EEE, Nellore affiliated to AICTE.

Skill Set

Technologies	**Python, Pandas, NumPy, Matplotlib, SKLEARN, Seaborn, Django, Machine Learning, AIRFLOW, Generative AI**
Databases	**PostgreSQL, MySQL, MongoDB, SQL Server, Oracle.**
Programming Languages	**Python**
Operating Systems	**Windows and Linux.**
Web Technologies	**HTML, CSS, Bootstrap, ReactJS.**
Tools & IDE's	**Git, GitHub, GitLab, Postman, Swagger, PyCharm IDE, Visual Studio Code, Sublime, Bitbucket.**
DevOps	**Azure, Azure pipelines, Docker, Kubernetes.**
Automation Testing Framework	**Pytest with Playwright Tool**
Cloud	**AWS, AZURE**

Projects Details:

Project #1

Client: **EBay**
Role: Technical Lead
Project Name: Q-Migrator for Data Migration(http://adobev2.qmigrator.ai/)
DURATION: 2024 April – Till Date

Description: **Q-Migrator** is a Quadrant product designed to migrate the existing **Any Database to Any Database**. The goal of the tool is to perform 100% schema conversion of all the objects. The tool also has a feature to collect Pre-Migration information using PowerApps from clients.

Roles & Responsibilities:

- Created Q-Migrator, a unique Quadrant solution for smooth migration of data across diverse databases
- Implemented strategies that resulted in a 90% success rate of schema conversion for all objects
- Developed multiple migration paths for extraction, conversion, and validation of data.
- Created unique design approaches to facilitate seamless transition across different types of migrations.
- Modified all functionalities into individual modules and created a docker image to deploy them in a Kubernetes cluster. Implemented the deployment of each process as a pod in Kubernetes, allowing for automatic termination of pods upon completion.
- Successfully deployed the functionalities in client environment to facilitate seamless migration process.

Project #2

Client: **Apollo**
Role: Release Manager
Project Name: Apollo Hospitals
Team Size: 80
DURATION: 2023 Jan – 2024 Mar

Description: This Project needs to Migrate from **On-Prem Oracle Server to Azure Postgres SQL Server DB Migration**. For that we are using Q-Migrator Tool as well for applying automation & manual things done by Developers. for manual features also added in Q-Migrator to convert easily like Ora2pg Convertor. Mainly for this migration we are using Q-Migrator & QBook. There are multiple envs for this project & need to take care of those as per the deployments (Dev, SIT, UAT, PERF, Preprod 9 regions).

Roles & Responsibilities:

- Handover the Deliverables to the Customer weekly Basis as a Release so here I appointed as a Release Manager.
- In this project there are multiple People, work with them closely & work to be Done as per release.
- Weekly Basis creating new Release Track the changes from the different teams. Whatever the bugs raised by Client resolving those & added these into scope of the Release.
- If any request comes from Client, do it On Priority as P1 & inform to the client.
- Need to be taken care of pipelines validation with DB Team. collaborate with App Team & App team to get the info regarding the current changes.
- Plan every week Reference Deployments, Attend & inform team to join Ref Delta Deployments calls, document & record session (Bring Required people in the call).
- we need to inform all the team members regarding Delta deployment happened in ref apollo (mainly Testing, DB & App teams required to know).
- if any fixes happened by apollo in ref apollo env need to deploy again in ref QR env.
- Any Deployment need to send emails to customer with Release scope with Release number & Release information with Fixes.

Project #3

Client: **Quadrant Internal Product**
Role: Technical Lead
Project Name: Q-Migrator (https://qmigrator.azurewebsites.net/)
DURATION: 2020 June – 2023 Jan

Description: **Q-Migrator** is a Quadrant product designed to migrate the existing **Any Database to Any Database**. The goal of the tool is to perform 100% schema conversion of all the objects. The tool also has a feature to collect Pre-Migration information using PowerApps from clients.
Designing a Cookbook Site to maintain Documentation for all Migration Types.

Roles & Responsibilities:

- Implemented Machine Learning concepts in the project. for the model Implementation we are using Pandas, NumPy, Matplotlib, Seaborn, SKLEARN,

Machine Learning Modules (SKLEARN) and Models like Logistic Regression, Linear Regression, Support Vector Machine algorithms etc.

- Using Pandas library to create Data frames and store in excel files and some operations based on the requirement.
- Assign work to the team and follow sprint methodology.
- Once the conversion is done python program will create excel sheet to see the progress of the conversion schema data for the tracking the Conversion.
- We created pyc files and we are encrypting pyc files, when we are executing pyc files while running decrypting the files and once done the process it will encrypt again for better security.
- Using GUI Tkinter lib for creating simple client interaction (exe file) to connect DB and taking the database metadata and have set some expiry time to expire the exe file.
- Working on Automation Scripts by using python for code conversion issues to convert or migrate oracle to PostgreSQL, MySQL to PostgreSQL and SQL server to PostgreSQL.
- Database Team giving code conversion tasks that need to do automate using python to convert or migrating the corresponding DB.
- For sharing the Documents, we are using Cookbook for across all the teams.
- Developing multiple structures like single and multiple files Architecture.
- It will support both files system and database connection system.
- For accessing any python Script required Authentication for that we are using .NET Rest API'S

Project #4

Client: **Quadrant Internal Product**
Role: Senior Software Engineer

Project Name: QBook V2 (https://qbook.qmigrator.ai/)
DURATION: 2022 December – March 2023

Description: **QBook V2** is a Quadrant product designed to create Migration Engines for Q-Migrator to make it easy to develop the features for the Developers. Once this feature is approved by the admin's we can use it in the Q-Migrator to migrate the Database**. additional features got added in this site & lot of benefits**.

Roles & Responsibilities:
- Creating Cookbook Documentation Site to develop Documentation site using **Django Rest Framework and React**.
- The developer will register, and he will add the features. for the developers they should have minimum knowledge on Python then they can write features in QBook.
- Once the feature is approved by the admin then it will be used in Q-Migrator for conversion.
- This version Supports Migration Types under multiple levels of object types.

Project #5

Client: **Quadrant Internal Product**

Role: Senior Software Engineer
Project Name: QBook V1 (http://cookbookui-v1.azurewebsites.net/**)**
DURATION: 2021 June – March 2022

Description: **QBook V1** is a Quadrant product designed to create Migration Engines for Q-Migrator to make it easy to develop the features for the Developers. Once this feature is approved by the admin's we can use it in the Q-Migrator to migrate the Database.

Roles & Responsibilities:
- Creating Cookbook Documentation Site to develop Documentation site using **Django Rest Framework and React**.
- The developer will register, and he will add the features. for the developers they should have minimum knowledge on Python then they can write features in QBook.
- Once the feature is approved by the admin then it will be used in Q-Migrator for conversion.
- This version Supports Migration Types under object types with one level (all features are here for every object type)

Project #6

Client: Chromata (https://www.chromata.co/ **)**
Role: Software Engineer
Project Name: Chromata Blockchain
DURATION: 2019 March – 2020 May

Roles & Responsibilities:
- Developed user interface by using the **React**, **Redux** for Single page Application development.
- Working in using ReactJS components, Forms, Events, Keys, Map, Router.
- Used React-Router to turn application into Single Page Application for navigating pages.
- Creating Custom Reusable components from React Components Library.
- Creating and used Reducers for the Users are Authenticated or not.
- Working with the Back end to display data using the Custom Components, library Components, Redux.
- Call RESTFUL service methods using **Axios** to retrieve data from Back-End and sending data to Backend from the UI Forms
- In the backend I have worked on **Django** using HTTP protocols like POST, GET, PUT, DELETE methods.

Declaration:

I hereby declare that the above-mentioned information is correct up to my knowledge
and I bear the responsibility for the correctness of the above-