

**CHELLABOINA NARSIMHA**

Python-Devops Developer

**Professional Summary:**

* Having **1.46** years of software development experience in engineering solution’s and effectively providing the desired outcome while following the best practice's.
* A back-end developer with Hands on experience on Python with Exception Handling, Data Structures.
* Good experience on **Django MVT** framework and **Django REST**.
* Good Experience on **Fast API** and **Flask** Frameworks.
* Having knowledge on task queue implementation for **Python** web-applications using **Celery**.
* Developed scalable applications with evolving data schemas with **MongoDB.**
* Relatively worked on **Redis** which allows user to reduce the load on the primary database.
* Intermediate expertise & experience on Docker and **Kubernetes**.
* Hands on experience using **CI/CD** Tools **Jenkins** & **ArgoCD**.
* I have practical experience utilizing **Boto3**, **AWS web services**, and Serverless technologies.
* Used **GIT**, as version control tools for source code management.
* Excellent analytical and communication skills with capability to handle new technologies.

**Software Skills:**

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| --- | --- |
| Programming Languages | **Python, Nodejs (Basic)** |
| CI/CD | **Jenkins and Kubernetes.** |
| Webservices | **AWS, Serverless technologies.** |
| Tools& IDE s | **PyCharm, VS Code** |
| Operating System | **Windows Family.** |
| Web Frameworks | **Django, Django Rest Framework, Flask, Fast API** |



**Project Summary:**

**PROJECT #1:**

Title: **Solix Data Archiving for SBD Co Locations**

Client: **SBD**

Environment: **Python**

Role: **Python Automation**

**Description:**

Utilizing a Python script empowered by MySQL and SQL Alchemy libraries, I facilitated a seamless data transition from SQL Server Management Studio (SSMS) to MySQL databases. With MySQL integration, connections were established and data transfer operations executed precisely, guaranteeing the reliability of information transmission. Leveraging SQL Alchemy’s Object-Relational Mapping (ORM) capabilities simplified interactions with databases, enhancing the efficiency of data manipulation tasks and preserving code integrity. This strategy provided a scalable solution adaptable to evolving database schemas, ensuring flexibility and resilience in data migration processes.

**Responsibilities:**

• Developed Python automation scripts to streamline processes.

• Utilized the Solix tool for efficient data migrations.

• Implemented robust validations to ensure script reliability.

• Engaged with Jupyter for data analysis and experimentation.

• Managed source code repositories on GitHub to track changes and collaborate effectively.



**Project Summary:**

**PROJECT #2:**

Title: **Client Requisition Tracker**

Client: **PMO**

Environment: **Python, Fast API**

Role: **Python Backend Developer**

**Description:**

The Client Requisition Tracker serves as a vital tool for the PMO team to monitor and manage business requirements. This application facilitates the tracking of project inflow on a monthly and yearly basis, presenting the data in an easily comprehensible format through effective data visualization. It allows for a quick and intuitive understanding of the number of projects received, aiding the PMO team in making informed decisions and maintaining efficient project management.

**Responsibilities:**

* Collecting the requirements from PMO and understanding the whole process.
* Developed of all the REST API’s in **FASTAPI**.
* integrated the Outlook API to retrieve information about email threads.
* Developed interface to perform get, post, put and delete on consul service.
* Implemented JWT refresh token authentication.
* Building docker images and working on containers.
* Working with new features of application and production bug fixes.
* integrated the Data Filter API to retrieve project information and present the

data in visual representation.

* Written python unit test cases with coverage module to check the code coverage.



**Project Summary:**

**PROJECT #3:**

Title: **Ambulance Tracker**

Client: **MOURITECH (Hackathon)**

Environment: **Python, Django, Jenkins, Docker, Kubernetes, CI/CD**

Role: **Python Developer**

**Description:**

The Ambulance Tracker project entails a mobile application crafted to enhance emergency response and save lives. Specifically designed for iOS devices, the app necessitates an active mobile internet connection or mobile network for optimal functionality. Leveraging location and map data, the Ambulance Tracker app displays the nearest hospitals to facilitate swift emergency assistance.

**Responsibilities:**

* Implemented the Docker Image
* Implemented the CI/CD Deployments.
* I've successfully implemented the functionality to deploy Docker images in Amazon Elastic Container Registry (ECR) and access them via AWS Lambda and API Gateway.
* Defining the architecture of the product.
* Designed the Api’s using Python on Django Web Framework pattern to make

it extensible and flexible.

* Implemented Open Api documentation.
* Integrated **email** functionality to facilitate document verification for hospitals.
* Implemented JWT Access & refresh token authentication.
* Involved in working with a business layer of application, views and model.



**Project Summary:**

**PROJECT #4:**

Title: **MATS AURA RESUME PARSING**

Client: **MOURITECH**

Environment: **Python, Flask**

Role: **Python Developer**

**Description:**

Convert the resume file into Base64 format, encoding its binary data into ASCII characters. Utilize the Base64 module in a programming language to decode the Base64 string back into its original binary form. Retrieve the resume details from the decoded binary data, enabling manipulation or analysis of the resume content programmatically.

**Responsibilities:**

* Implementing backend API’s.
* Analyzing the data and developed the feature as per the functionality by understanding the business requirements.
* Participated in the daily team meetings.

**Education:**

Bachelor’s Degree