

N.MADHUKUMAR

Email : [madhu229.py@gmail.com](mailto:madhu229.py@gmail.com)

Mobile : +91-9742999826

## Objective

Individual with well-honed skills in Computer science and technical expertise in the support of specialized programming projects using web based and client server tools. Coming with strong ability to design, develop, and maintain software applications in Python and related technologies.

## Professional Summary

- Having 6.5+ years of experience as a Python Developer, developing web-based Solutions and Application development across domains – **Healthcare & Finance**.
- Hands-on experience in **DJANGO & Flask Frame-works, MongoDB & MYSQL**.
- Good Knowledge **on Hadoop**.
- Experienced in Using **Pycharm** for developing different web based applications.
- Good Knowledge **on SVN & Git**.
- Hands on experience in **Highcharts and Plotly Js**.

## Work Experience

- Working as Sr. Software engineer in **Virtusa consulting Pvt Ltd** at Hyderabad from June 2021 to till.
- Worked as Sr. Software engineer in **TechWave consulting Pvt Ltd** at Hyderabad from September 2020 to April 2021.
- Worked as Software Engineer in **Manuh Global Technologies Pvt Ltd** at Visakhapatnam from May 2019 to May 2020.
- Worked as Python Developer in **Eprosoft India Pvt Ltd** at Visakhapatnam from March 2017 to April 2019.
- Worked as Asst.Prof in **Medak College of Engineering and Technology** at Hyderabad from July 2012 to Oct 2014.

## Certification

- Certified Associate in Python Programming, Python Institute, 2021

## Educations

- M-Tech in Power Electronics from MIC in JNTUK at Vijayawada.

## Technical Skills

- Operating Systems : Windows, Linux
- Programming Language : Python
- Markup Languages : HTML
- Data Interchange Languages : JSON
- Frameworks : Django & Flask
- IDE : Pycharm
- Version Control : GIT & SVN
- Database Software : MongoDB, MySQL

## Project Details

### Current Project : BT WLMS FY18-19

Client	British Telecommunications
Tools & Technology	Python3.6.X, Pandas, Numpy,
Role	Senior Developer
Period	Sep 2022 – till now

### Project Description

Used to process raw file data received from WLMS2 source feeds team and generate MIS reports for better analysis of the business (Finance, Dunning Status, Operations, Revenue, Customer Service). The reports are made available over WRP-BT Wholesales reporting portal – which provides standalone reporting from WLMS data sources to BT users.

### Responsibilities:

- Developed the Feed Script using Python and Pandas, Numpy libraries.
- Fixed the bugs in production raised by users.

### Project 1 : Ruby EBA Analytics -Banking

Client	Citi Bank
Tools & Technology	Python3.6.X, Pandas, Numpy,
Role	Senior Developer
Period	June 2021 – Aug 2022

### Project Description

Net Interest Income Stress Testing is a component of the EU-wide ECB/EBA Stress Test ("EU ST"). The EU ST exercise covers Credit risk, Market risk, operational risk and Net interest income. The EU ST exercise is a bottom-up assessment where participant banks are required to produce projections over a period of three years. All banks are required to produce the stress projections utilizing a common methodology, stress scenarios and reporting templates published by the EUROPEAN BANKING AUTHORITY.

**Responsibilities:**

- Developed KBR test cases according to user requirements.
- Developed the code based on KBR requirements using Python and Pandas, Numpy libraries.
- Fixed the bugs in production raised by users.
- Generating builds using Jenkins and releasing the builds in different environments.

**Project2: Pavillio**

Client	Cashe
Tools & Technology	Python 3.7X.,Pandas,MongoDB,PostgreSQL
Role	Software Developer
Period	Sep 2020 – April 2021

**Project Description**

It is a Healthcare tool which stores patients' visit and discharge summary with their day to day entries. It is used to store various agencies' information which provides details of the employee and the patients with their service agreements.

**Responsibilities**

- Developed scripts for data migrations of the agencies into the Pavillion tool.
- Resolve the production issues related to data migrations.
- Developed Pavilion migration scripts to resolve production issues.

**Project 3: eval-output-summary**

Client	Clairvoyant
Tools & Technology	Python2.7X, Python 3.7X. Pdkit, Jinja2
Role	Software Developer
Period	Nov 2019 – May 2020

**Project Description**

A project to generate a cluster health check summary based on the cloudera and ambari clusters output files. Extracts information from Cloudera Manager or Ambari Blueprint data and generates HTML and PDF reports concerning the configuration of the Hadoop cluster.

**Responsibilities:**

- Developed health and security recommendations for cloudera manager and ambari blueprint data of hadoop clusters as per business logic using python oops concept..
- Developed HTML reports for recommendations using Jinja2 library.
- Developed Pdf reports for recommendations using Pdkit library.
- Converted the code from python 2 to 3.
- Developed test cases for recommendations using unit-test module.

## **Project 4: Airflow Plugins.**

Client	Clairvoyant
Tools & Technology	Python, Flask, Airflow, Linux
Role	Software Developer
Period	May 2019 to Nov 2019

### **Project Description**

#### **Plugin1: Airflow Rest API**

A plugin for Apache Airflow that exposes REST endpoints for the Command Line Interfaces listed in the airflow documentation:<http://airflow.apache.org/cli.html>

#### **Plugin2 : Airflow user management**

A plugin to Apache Airflow to provide an interface where you can add a Password User to Airflow and manage.

#### **Responsibilities:**

- Fixing the issues related to airflow plugins using python.
- Converted the plugins code from python 2 to 3.

## **Project 5: Pq Unilite**

Client	Internal
Tools & Technology	Python2.7X, Django, MongoDB, Linux, PlotlyJS, Angularjs
Role	Software Developer
Period	March 2017 to April 2019

### **Project Description**

Pq unilite is web based development which represents analytics analysis of Hospitals, Patients, PAC, Doctors, indicating the group of hospitals, group of reports of all modules, Mortality rate, etc., bills generated by hospitals were transferred to the government and how much of the amount allocated to hospitals.

#### **Responsibilities:**

- Developing the business code using pandas library.
- Developed the reports of all modules using python and integrated them to front view.
- Developed all function services using angular bootstrap, angular js, and integrated to MongoDB.
- Developed the reports using plotly js.

### Strengths

- Strong analytical and problem solving abilities.
- Excellent communication and interpersonal skills.
- Ability to work under deadlines, work as an individual and an active team member and willingness to accept responsibilities.
- Good Trainer and mentor for new entrants. Trained team members in new entrants in technology and processes.

### Personal profile

Date of birth: 10-11-1987  
Languages known: English, Hindi, Telugu.  
Location: Hyderabad

### Declaration:

I hereby declare that the above furnished information is correct and true to the best of my knowledge.

Place:

Date:

(N.MADHUKUMAR)