

B THIRUMALA REDDY

PYTHON Developer

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PROFILE SUMMARY | 5+ years of experience as a Python Developer

- Having Overall 6.11 years of experience in IT industry and relevant **5+ years** of Experience in working with **Python** and it's libraries
- Having hands-on experience in **Web development** using the **Django** Framework.
- Having good experience in **Data Analytics** and its libraries like **Pandas**, **Pptx** and **Matplotlib**.
- Having good of experience in working with **Django Rest Framework** and Experience in working with Python ORM Libraries including **Django ORM**
- Good Experience in Databases like **MySQL** and **mongoDB** and working with **AWS S3 Bucket**.
- Good experience in testing API using **Postman** and **Swagger**
- Experience in using various version control systems like **Git**, **Mercurial**, **BitBUcket**, **GitHub** and **GitLab**.
- Having good Experience in **Docker** for writing Docker files and Docker-compose files.
- Having Knowledge in front-end technologies like **HTML** and **CSS**.
- Good experience in writing **Unit Test Cases** using Unit Test and PyTest library like mocking and patching the functional data.
- Possess good debugging skills, thorough understanding **UAT level** issues and able to work in a fast.
- Experienced in working with Python IDEs like **PyCharm** and Good experience in cross platform applications and system commands (**Mac**, **Windows**, **Linux**)
- Experience working with Software Development Life Cycle (**SDLC**) on **Agile** Methodologies, Scrum stories and sprints experience

TECHNICAL SKILLS:

Programming Languages	: Python
FrameWorks	: Django and Rest DRF
Web Technologies	: HTML,CSS
Version Control system	: GIT,Mercurial,BitBucket, GitHub and GitLab
Database & Language	: SQL, MySQL,Sqlite
Operating SysTem	: Linux(Ubuntu), Mac,Windows
IDEs & Editors	: PyCharm, Notepad++
Agile Tools	: Jira, Confluence
Tools and Softwares	: Docker,Slack, PostMan,Wordpress, Openstack WinSCP,MobaXterm and VNC viewer

WORKING EXPERIENCE

TechMahindra, Bangalore Sr.SoftwareEngineer

March 2020-present

EDUCATION:

JNTU, Anantapur — *Bachelor of Technology*

LANGUAGES

English, Telugu

PROJECTS SUMMARY

Project #1: CPO Inbound

Client : *Nokia* | **Team size:** 5 | **Role:** Backend Developer | **Env:** Automate,python, NDPD,Functional MailBox,MYSQL

CPO Inbound is a customer purchase order internally using nokia for Building sites to vodafone in australia, Before building site they need to estimate how much amount it will take,which location they need to build and various site details. They will estimate and make purchase orders for each site and update Po Number, Creation date,Line number,Line Value,pdf and order amount to NDPD.

Responsibilities:

- Connected directly with Customers to understand Business Requirements.
- Involved in preparing the Design Document and getting it approved from the Top Management.
- Reading data from Email and store Customer files in the respective folder using automate.
- Developed automate code to Run python scripts for pushing data to DB
- Developed logic to extract data from various excel files and update data in database
- Developed logic to get the data from Database and compare in NDPD
- Build a logic to get SMP and Module ID from NDPD using internal APIs and update in Database.
- Developed logic to update purchase order details in NDPD using internal APIs .

Project #2: SIFTESTER

Client : *Nokia* | **Team size:** 5 | **Role:** Backend Developer | **Env:** Python,PostgreSQL, OpenStack

It is a platform for regression testing impact on application. When ever developer changes done on any function. Developer can check whether this changes are impacting to application by using SIFTESTER. SIFTESTER will map function based testcases and whenever developer will do changes using SIFTY mapping it will map and select the testcases instead testing all testcases. Developer/flow can test selected testcases from it, Deliver faster with a smarter regression testing.

Responsibilities:

- Implemented business logic in avoidance side to get impacted batches.
- Prepared get impacted batches and summary of avoidance data to create JSON files and send to ELK page.

Project #3: AAE- Automated Analytics Engine

Client : *Nokia* | **Team size:** 5 | **Role:** Backend Developer | **Env:** Python, Docker, Openstack, MangoDB, FastAPI

AAE will analysis for Data Hub files and it will display visually in Discovery UI. Nokia users will check logs of various devices like BSC, RNC, BTS and Netact visually in Discovery UI. AAE will analysis of Parquet files of CM & PM and CSV files of FM files.

Responsibilities:

- Implemented business logic to read packages, store reports to Database, store packages in S3 bucket and send visualized reports to Discovery tool
- Simulation of Packages to discovery tool using locust library in specified interval of time.
- Written multiple test cases for various working functions using unit test library
- Deployed multiple build images in containers to respective of ports using docker in openstack instance

Project #4: Ibus-DNA- ADQS

*Client : **Nokia** | Team size: 7 | Role:Backend Developer |Env: Python, Excel,Ibus Platform,flask*

Digital Network automation(DNA), This DNA provides a product called Digimops which is used in automation of various tasks. ADQS means Automated Data Quality Solution used in internal nokia for automating various business Processes. This project contains various business rules for various departments to automate.

Responsibilities

- Build logic to extract Data from Multiple Excel sheets and to Transform the Data to next digimops
- Implemented business logic to extract various columns from the sheet to make a new file and upload updated file IBus.
- Developed digimops we can put and reuse in any other
- Build Workflows for various departmental processes.
- Involved in FP, SIT and UAT level issues with continuous interaction with clients.
- Involved in Unit Testing and Integration Testing.
- Prepared User-Guide and Support Documents.

Project #5: L7 - STC - LTE DB - F3 F4 Carrier Add Parameter Update T1 T2 Modify

*Client : **Nokia** | Team size: 7 | Role:Backend Developer |Env:Python, Kiss Macros, Yukti(UDA), XML,Excel,Ibus*

Nokia Networks is a multinational data networking and telecommunications equipment company. This LTE project is for increasing frequency of band width or updating any hardware details in existing sites by using an updated SCF file. To update TDD,FDD, TDD T1 T2,TDD T3T4 respective SCF files by using various files like PCI RSI,SCO,Site details,RF data dump and FDD & TDD backups and Yukthi UDA Tool.

Responsibilities:

- Connected directly with Customers to understand Business Requirements..
- Built various digiMOPs based on the requirement and maintained proper workflows for the digiMOPs.
- Build a logic to extract Data from Multiple Excel sheets and to Transform the Data based on user requirements.
- Developed logic to find right template for the site in bunch of files and update various parameters in selected template and pass to yukthi UDA
- Implemented Business Logic for to update parameters in FDD, TDD, TDD T1 T2 and TDD T3T4 SCF file

Project #6: BSC/RNC-Simulator

*Client : **Nokia** | Team size: 5 | Role:Backend Developer |Env: Python, Docker, Openstack*

Simulators act like a Real Network Element, Collecting Snapshots from real network elements every time for customers for changing features or testing purposes. It's a time consuming process and it's not a good idea. Using PTF customers or dev team they can collect snapshots using a simulator log collector. Simulators basically will keep logs in it, customers can download snapshots based on ssh or sftp or telnet from PTF instead of RealNetwork Element and logs will store in LSS or Data HUB.

Responsibilities:

- Creating Simulators and maintaining simulators in various regions

Project #7: Softpat

*Client : **Nokia** | Team size: 7 | Role:Backend Developer |Env: Python,Automate Tool,Mysql,flask*

Soft Preliminary acceptance test for making automate in STC Saudi Telecom internal NOKIA departments. Requirement was to automate reports for most of the site related tasks which took enormous human/manual efforts. This project management mainly to maintain how many sites exist, what is the status of site, is there any blocker exist in any site etc. This business report was generated and distributed to the different departments of STC using Automat and the data maintained in the database.

Project #8: SaveRisk |Client: *Fincity* | Team size: 1 | Type: Full Stack Development

Save risk should find performance reports of an employer or employee before processing a loan to the employer or employee for saving the risk of the company. Using Employee CIN or Employer DIN numbers save risk will check various Queries and will make performance reports.

Project #9: ITR | Client: *Fincity* | Team size: 1 | Type: Full Stack Development

ITR fraud Checks is a microservice type project which can check if a customer uploaded ITR document is fraud or not using basic data . The Checks basically ITR filed or not in Income Tax Portal, ITR is valid or not ,ITR Acknowledge Number is valid or not etc.

Project #10: HRMS| CLient: *Fincity* | Team size: 3 | Type: Full Stack Development

Human resources Management System is used to manage Employee data, Recruitment processes, Asset Management system, Job posting to career portal, permissions to the employee to login, Employee Performance Report From lems.

Project #11: LEMS | Client: *Fincity* | Team size: 3 | Type: Backend Development

Lead management system for managing leads for various platforms like B2C and Partner network. For processing Home loan for self employed and salaried customers lems helps to provide paperless work to complete disbursement with minimum effort. The leads can be added by relationship managers and partners from the company.

Project #12: Digital Analyzer| Client: *Fincity* | Team size: 2 | Type:Backend Development

Digital Analyser is a document handling project which can extract PDF data of Bank statements and all KYC Documents validations.

DECLARATION:

I declare that the above mentioned information is true to the best of my knowledge.

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