VIMAL ANNAMALAI

PYTHON DEVELOPER

ELIGIBLE TO WORK IN UK (WA2 SHN 4X6)

CONTACT

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EDUCATION

Bachelor of Computer Application B.C.A

MADRAS CHRISTIAN COLLEGE

2011 - 2014

SKILLS

- Python
- Django, Flask, FastAPI & Swagger
- Scrapy, Selenium for Scraping, Click
- GitHub, GitHub Actions, Jenkins
- Docker, Kafka, Redis
- MySQL, PostgreSQL, MongoDB
- Microservices, Design Patterns
- Tableau
- AWS Services
- HTML, CSS, JS, ReactJS (Beginner)

LANGUAGES

- Tamil (Fluent)
- English (Fluent)

PROFILE

- Possessing 10 years of experience in Python with Process Automation, Agile, Application & Framework development.
- Good understanding in Architectural Principles, Data Structures and Algorithms (DSA) & Design Patterns.
- Trained more than 25+ candidates in Python.
- Experienced in Python Web Development Frameworks like Django, Flask, FastAPI.
- Possessed experience & Understanding in Swagger REST API using Python.
- Expertise in data crawling with Python Selenium and Scrapy Framework.
- Possessed experience in DevOps work-flow & tools like Jenkins & Docker.
- Hands-on Experience in AWS Services EC2, ECS, ECR, Lambda, API Gateway etc.
- Developed Tableau statistical dashboards and charts through project experience.
- Possessed Experience in MySQL Programming.
- Self learning Word-Press & Blogging related plugins.

WORK EXPERIENCE

Relevantz Technology Services
Lead Python Engineer

OCT 2022 - MAY 2024
Client: **BNY Mellon**

Project Description: BNY Mellon, is an American banking and financial services. The main objective of my team is handling python services for Extract, Transform & Load (ETL framework) between Oracle and Snowflake datasources.

- Deciphering the Data Modeling complex legacy framework written in RDFLIB
- Regularly debugging and resolving issues within the framework
- Contributing to micro-feature development for diverse clients
- Mentoring and guidance to the development team from the vendor side.

Tech Stack - Python, Flask, Oracle, Snowflake, Redis

Ideas2IT Technologies
Technical Analyst

DEC 2020 - FEB 2022
Client: **SIEMENS**

Project Description: Siemens, a US-based manufacturer of electrical switches and transformers. The main objective of my team is to build a price prediction algorithm to determine whether negotiating prices with wholesale distributors and dealers is feasible or not.

- Creating Flask API Endpoints for Pricing Algorithm.
- Providing Solutions for Framework development queries
- Designing the Database schema for Pricing Prediction Frameworks.
- Responsible for Pricing Prediction Framework Dockerization and Deploying to AWS.

Tech Stack - Python, Flask, MySQL, Swagger, AWS Services, Docker

MSys Technologies
Senior Software Engineer

AUG 2017 - OCT2020
Client: **NimbleStorage, HPE**

Project Description : The client, Nimble Storage from San Jose-US, providing cloud storage solutions & data centers. The objective of the my team was giving provision to run Nimble OS Test scripts & share the results for analysis.

- Automated test-script level execution to make ease test runs for QA Teams.
- Developed API with Flask Swagger for Data Center Assets like Arrays, Hosts.
- Developed CLI tool for Apollo which do API calls from CLI using Python Click.
- Implemented feature for restrict unwanted resource usage & resource matching functionality for Nimble OS testcases.
- Generated dashboards & reports using Tableau Visualization Tool for QA Teams
- Parallelly involved in enhancement-related development & bug fixing in Zeus Application.

Tech Stack - Python, Django, Flask, Kafka, Jenkins, Docker, MySQL, MongoDB.

Mobius Knowledge Services
Senior Software Engineer

Nov 2016 - Jul 2017
Client: **Mobito & Frigginyeah**

Project Description: Client was a US-based Data Analyst who initiated the Mobito & Frigginyeah project. The primary goal of the project was to crawl data from websites for analysis and product enhancement.

- Scraping the Entire product information from client recommended websites..
- Possessed Experience in Crawling Techniques using Python Scrapy Framework, Python Selenium, XPATH & Regular Expression.
- Automated Spider Scripts for E-commerce websites like Walmart, Kmart, Target.com etc...
- Contributed to build the Job Execution Service & Integrated thirdy party Captcha API services

Tech Stack - Scrapy & Selenium with Python, Xpath, Regex, MySQL.

Wipro Technologies
Python Automation Engineer

Jun 2014 - Oct 2016
Client: **SBSA**

Project Description : Client was a South African Bank (**Standard Bank of South Africa**(SBSA)). We built a tool called Support Automation & objective of this project was to automate the support teams day to day process like Daily Health check, Incident allocation, Transaction Fix Analysis & other transaction related works.

- Automated the POS Transaction process.
- Automated the account origination process.
- Automated the Version check between ATM Servers.
- Automated the fetching Error log from Mainframe transaction file.
- Contributed in automation process of the SSC Self Service Channel & Cards Transaction.
- Automated the Account details Extraction.
- Deploying latest builds between Banking Servers.

Tech Stack - Python, Django, REXX, DB2, HTML, SQL, JCL, ATM Servers.