

# Sudharsan V S | Senior Python Developer

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## Profile :

- Over 8 years of experience in analyzing, designing and developing server/client application and API's.
- Proficient in designing end-to-end solution, developing web applications and APIs using Python and deploying applications using CI/CD.
- Experience in designing and developing SAAS based product.
- Hands-on experience in developing UI and automation using UIPath.
- Ability to quickly grasp new technologies and concepts and work effectively both independently and in teams.

## Technical Skills :

Scripting Languages	:	Python, JavaScript, jQuery
Web Frameworks	:	Django, django rest framework, django channel, Bottle, Twisted Python, React js
Database	:	Mysql, Postgresql, Cassandra, Neo4j, Elasticsearch
CI/CD	:	Gitlab, AWS, Docker, Packer, Ansible
Testing	:	Unit Testing, Pact Testing
Markup Languages	:	Html, CSS
Version Control	:	Git
RPA Tool	:	UIPath
OS	:	Linux
Http Server	:	Apache

## Projects :

### Terra:

**Description:** Data Management platform for creating pipelines for Data Ingestion, Wrangling, Catalog, and Quality checks.

**Technologies:** Python, Django, MySQL, Neo4j, Elasticsearch, Docker, Linux, AWS, Azure, Airflow, Databricks, Snowflake

### Responsibilities:

- Translate business requirements into efficient technical solutions.
- Design end-to-end solution.
- Develop APIs to facilitate seamless communication between UI client and various system components.
- Conduct Peer code review to ensure code quality, adherence to best practices and consistency across the team.
- Lead a team of 5 developers, providing technical guidance, mentoring.

### OIS :

**Description :** Interface between the management station and the real hardware, responsible for data/event transfer and processing.

**Technologies :** Python, Twisted Python, UIPath, Linux, Gitlab CI/CD, Pact Testing, Packer, Ansible, AWS, Docker.

**Responsibilities :**

- Integrate subsystem into OIS platform.
- Incorporate new signals into the OIS system to enhance functionality and meet evolving requirements.
- Develop APIs to facilitate seamless communication.
- Automate subsystem testing using Uipath, streamlining the testing process and improve efficiency.
- Gitlab CI/CD to create packages and streamline the deployment.
- Create Python packages(PYPI) to facilitate easy distribution and installation of OIS-related modules.

**Award Choice :**

**Description :** Shell Script to Python migration.

**Technologies :** Python, Shell Script, Git

**Responsibilities :**

- Migrated the Shell script to Python Script.
- Conduct Peer code review to ensure code quality.
- providing technical guidance and mentoring juniors.

**Enerlytics :**

**Description :** Product for analyzing and reporting risks in power plant.

**Technologies :** Python, Bottle, Cassandra, Docker.

**Responsibilities :**

- Gather data from multiple source like API's, Excel files, ensuring comprehensive data collection.
- Validate the collected data with other APIs to verify accuracy and consistency.
- Design database tables to store the validated data efficiently.
- Implement data synchronization mechanisms to ensure that stored data remains up-to-date and reflects the latest information.
- Cleanse input data and remove duplicate records to maintain data integrity and accuracy.
- Develop APIs to facilitate seamless integration with front-end application.
- Write Docker image to enabling efficient deployment.

**Playtonia :**

**Description :** Esports Gaming Platform for gamers and event organizers where the event organizers can host the entire event online and gamers can play some casual games. With features like chat, reward system, market place and live score update in the lobby

**Technologies :** Python, Django, django rest framework, django channels, Mysql, Apache, Linux, JavaScript, jQuery, HTML, CSS, AWS, React.js

**Responsibilities :**

- Led the project from inception, overseeing development lifecycle.
- Collaborated with founders to align project with business objectives.
- Designed database and implemented authentication.
- Developed team management, chat and ladder match systems,
- Implemented live score updates, user whitelisting and data export features.
- Created automated price distribution and e-commerce marketplace.
- Designed proprietary reward system.

- Deployed the application in AWS EC2 .
- Led team of 2 developers.

#### **Testpress :**

**Description :** E-learning SAAS product for training student for competitive exams.

**Technologies :** Python, Django, Django rest framework, Postgresql, linux, Html, CSS, JavaScript, jQuery, Backbone js

#### **Responsibilities :**

- Directly interacted with the founders to understand requirements and priorities.
- Implemented APIs with multitenancy support for efficient data management.
- Increased unit test coverage to ensure code quality and reliability.
- Contributed to UI development using Backbone.js for enhanced user experience.

#### **Employers :**

**Company Name:** Trinity Life Sciences

**Duration:** Since Oct/2022

**Designation :** Product Architect.

**Company Name :** Siemens Technology and Services Pvt Ltd

**Duration :** Jan/2021 to Oct/2022

**Designation :** Software Developer

**Company Name :** Infosys Limited

**Duration :** Nov/2018 to Jan/2021

**Designation :** Senior Systems Engineer

**Company Name :** Playtonia Esports Pvt Ltd

**Duration :** Apr/2017 to Nov/2018

**Designation :** Backend Developer

**Company Name :** Testpress Tech Labs LLP

**Duration :** Apr/2016 to Feb/2017

**Designation :** Software Developer

#### **Highest Education :**

**College :** Sree Sastha Institute of Engineering and Technology

**Course :** B.Tech (Information Technology)

**Graduation Year :** 2015

#### **Languages :**

Tamil, English