

Sitharthan C

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Python/Django Developer

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Profile Summary

- Over 3+ years of experience as a Python/Django developer and Extensive Experience in Web Scraping with Strong analytical and problem-solving skills.
- Strong experience in designing user interactive web pages as the front end part of the web application using various web technologies like HTML5, JavaScript, JQuery, AJAX, Bootstrap4, Material Design, and implementing CSS3 for better appearance and feel.
- Good experience in developing Django web-based applications with REST API and token (oAuth2.0/JWT) based authentication and authorization for API security.
- Skilled experience in Python with proven expertise in using new tools and technical developments (libraries used: libraries- Beautiful Soup(BS4), Selenium, requests, AWS-CLI, Boto3- (Amazon Web Services (AWS) Software Development Kit (SDK) for Python), SSH implementation in Python using Paramiko & Netmiko, python-OpenStack client,urllib3, Psycopg2 for database connectivity) to drive improvements throughout the entire software development lifecycle.
- Strong development experience on Linux-based operating systems (used flavors like Red Hat(Fedora 27,28,30) and Ubuntu).
- Experience on GIT(code versioning system), TRELLO (for project management), and Slack (for communication).

Technical Skill Set

- **Languages:** Python, SQL.
- **FrameWorks:** Django, VueJS Basics, Bootstrap4, Material Design.
- **Web Technologies:** HTML5, CSS3, DOM, JavaScript, JQuery, AJAX, TailWindCSS
- **Application Servers:** Apache Solr, Nginx.
- **Databases:** PSQL, Redis.
- **Cloud:** AWS S3(Boto3).
- **IDE's / Development Tools:** Atom, VS Code. PyCharm
- **Tools:** Git, GitHub, GitLab, Slack, Trello.
- **OS/Platform:** Windows, Red hat(Fedora 27,28,30), Ubuntu.
- Web Automation Using Python Selenium and OCR with Tesseract, OpenCV

Key Projects Handled

1. **Name:** Weaver & Pub-Assembly

Duration: 6 Months

Team Size: 6

Role: Python Developer (Req Analysis, Development & Testing, Deployment)

Technologies: Python 3.x , BS4,requests,urlib3,Psycpg2, Selenium, Shell script, RegEx

Type : Scraping the Scientific Journal Articles & Automated the Content Extraction.

Weaver is a project for Scraping Scientific online journals & Articles using BS4 and Selenium. The goal is to make the vast unstructured/structured data at any scale accessible efficiently as well as to streamline the process of alteration/management of the data using Rust for data insertion in PSQL.

2. **Name:** Zealbots

Duration: 10

Months **Team Size:** 4

Role: Developer(Requirement Analysis, Development, Enhancement, and Maintenance)

Technologies: Django (1.11 & 2.2), Rest API, Django ORM Libraries,Solr, Redis, ,Psycpg2,Jinja2,Social Authentication & Authorization using OAuth2.

Type: Personal Research Assistant.

Using Django to the rapid development of secure and maintain Zealbots. Wireframe to website conversion using Bootstrap4 & Material Design.

Web Link : <https://www.zealbots.com/>

3. **Name:** Zync-CLI

Duration: 8

Months **Team Size:**

1

Role: Developer(Requirement Analysis, Development & Testing, Deployment & Maintenance)

Technologies: Python 3.x, AWS S3, AWS-CLI, Openstack python swift client, Boto3, Netmiko, Paramiko, Pysftp2, Watchdog.

Type: Sync Application

Zync-CLI is an application to handle client and server sync like DropBox(*cloud sync*).

4. **Name:** Sona Homes, Google Company Scraping

Duration: 1 Month

Team Size: 1

Role: Developer(Requirement Analysis, Development & Testing, Deployment & Maintenance)

Technologies: Selenium, Python 3.X, RegEx

Type: Web Automation Scripting

Use web scraping with python selenium to extract desired data from websites.

Web Link : <https://sonahome.in/>

5. **Name:** Heniff

Duration: 3 Months

Team Size: 1

Role: Developer(Requirement Analysis, Development & Testing, Deployment & Maintenance)

Technologies: Selenium, Python 3.X, OpenCV, PyTesseract, Template Matching

Type: Template Matching and Text Extraction

To find objects in an image using Template Matching and extracting the text using Tesseract OCR from Bills and Captchas.

6. **Name:** BOT-H

Duration: 1 Month

Team Size: 1

Role: Developer(Requirement Analysis, Development & Testing, Deployment & Maintenance)

Technologies: Selenium, Python 3.X

Developing the Python extraction and template matching scripts for Our own Automation Framework.

Responsibilities

- Participated in the entire product development lifecycle, requirements gathering, coding, debugging, production deployment, and management of SaaS products.
- Working together with a team of developers to come up with suitable solutions.
- Understanding fundamental design principles behind a scalable application and working on product development is a plus.
- Understand the implementation of security and data protection

Work Experience

- Working with **VEE Technologies Private Ltd, Salem, Tamil Nadu, India** from May 2021 to the present date as Associate Software Engineer.
- Working with **Chadura Tech Private Ltd, Tiruchirappalli, Tamil Nadu, India** from Oct 2018 to May 2021 as Python/Django Developer.

Academic Qualification

Integrated M.Tech - Bio-Informatics from Bharathidasan University, Trichy, Tamil Nadu in **2018** With **6.7 CGPA**.

Personal Details

Nationality	: Indian
Date of Birth	: 13/03/1994
Father's Name	: Chandrasekaran D
Marital Status	: Married
Languages Known	: English, Tamil
Permanent Address	: #11/9, Kalappu Colony, T.Pet Road, Musiri -621211, Trichy.

Declaration

I hear by declaring that the statements furnished above are true, complete, and correct to the best of my knowledge and belief.

Date:

Place:

(SITHARTHAN.C)