

# RESUME

## **PARTHIBAN SOUNDARAM**

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### **Career Objective:**

I would like to utilize my skills effectively in the company that I work for and acquire knowledge and experience with the benefit of the company and my career.

### **Career Summary:**

- Having 2.9+ years of experience in developing web applications using technologies such as **Python, Django, Flask, REST API, Python Scripts, Chat bot.**
- Having experience in cloud technologies such as **AWS** and **GCP.**

### **Professional Experience:**

**Company:** Dima Business Solutions, Coimbatore, India

**Designation:** Software Engineer – **November 2019 to Current**

### **Works, Roles and Responsibilities:**

- Working in Automation based Network Security Software programmer.
- Network Security and IT infrastructure Automation.
- Automating repeated tasks using Crontab.
- Developed web applications using **Python, Django, Flask, HTML, CSS.**
- **AI Chatbot** and **WhatsApp Chatbot** integration using Python.

**Company:** Veradis Technologies, Coimbatore, India

**Designation:** Software Developer (Web Development) - **August 2017 till November 2019**

## Works, Roles and Responsibilities:

- Requirement analysis, design and software tools analysis.
- Algorithms implementations using **Python, Numpy, Pandas, scipy, sklearn**.
- Familiar with **AWS** and its services such as **S3 & lambda**, etc.
- Automating repeated tasks using **Crontab**.
- Developed web applications using **Python, Django, MPLD3, Matplotlib, C3.js, HTML, CSS**.
- Developed **Web Services** using python **REST API**.

## Projects:

### 1. Dima Warrior Internet Security (DNS) and Proxy:

The purpose of this project was developing the Internet Security for Home/Individual, Small startups and Educational Institutions. Platform which we used for this project was **Python, Shell script, Bind9, Squid proxy server, Twilio, WhatsApp, Flask, Django** and the web servers like **ngrok, Nginx**.

The tasks involved during the development,

- Automating tasks to extract the data using **Selenium, Beautiful Soup and Scrapy**.
- Creating the automation tasks for monitoring the product status and updates using Python and Crontab.
- Creating the web applications using Python, Django, Flask.
- Creating the WhatsApp Chatbot and Website AI Chatbot using Python, Flask, Twilio.

### 2. Internet of Things (IOT):

The purpose of this project is developing the dashboard to monitor and analyze the behavior of pressure and temperature monitoring sensors. The platform which we used for this project was Python, AWS (**S3, Lambda, IOT core, SQS, CloudWatch, Ec2**) and devices such as (**Raspberry Pi, BME280 and OneWire sensors**).

The tasks involved during the development,

- Creating thing in AWS core .
- Design Shadows to monitoring and control the device.
- Writing a Python script to automate routine tasks like storing the sensor values in AWS S3, update client devices via remote job using AWS, MQTT protocol.
- Design the scheduling task using AWS Lambda.
- Processing the data which is stored in AWS S3 and creating visualization using Python, Django.
- Automating tasks to perform ETL (weather data) .
- Libraries used in project was sklearn, scipy, pandas and numpy.

### **3. Data Visualization:**

The purpose of this project was developing the dashboard for data visualization. Platform which we used for this project was **Python, Django** (python web framework) and python libraries for improve the accessing speed of large data is **Pandas Dataframe**.

The tasks involved during the development,

- Algorithms analysis to improve latency of dashboard.
- Data visualization using Matplotlib, c3 charts, chart.js.

### **Technical Skills:**

**Programming Languages:** Python, Java

**Databases:** MySQL, SQLite, Postgresql, MongoDB

**Web Development:** Django, Flask, JavaScript, HTML, CSS

**Web Server:** Nginx, ngrok

**Operating Systems:** Windows, Linux (Ubuntu, Centos, Mint)

**Cloud Platform:** AWS & GCP

**Version control tools:** SVN, Bitbucket

### **Certification and Training:**

- Oracle certified Professional in JAVA SE 6 Programmer
- Course completion certificate on Web Component Development with Servlets & JSPs  
Java EE6 on Sri Krishna I-Tech and Management Solutions Pvt Ltd.

### **Education:**

- Master of Computer Applications from Sri Krishna College of Engineering and Technology, Coimbatore, Tamil Nadu, India. (Year of passing 2015)
- Bachelor of Computer Science from KG college of Arts and Science, Coimbatore, Tamil Nadu, India. (Year of passing 2012)

Ref:

- LinkedIn <https://www.linkedin.com/in/parthiban1230>
- Stackoverflow <https://stackoverflow.com/users/8912663/parthiban-s>
- Github <https://parthibansoundram.github.io>