

Darapu Venkata Rama Kiran

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Career Objective:

Having **2.4** years of IT industry experience and specializes in application development using Python, Flask, Django, AWS (Lambda & step function), Serverless Framework & MySQL.

AREAS OF EXPERTISE:

- A good Knowledge in developing Web based applications using Python, Django& Flask.
- A good team player with excellent Communication, Interpersonal, Organizational and Leadership.
- Proficiency in AWS (Lambda and Step Function).
- Skills, with the ability to work and adapt quickly to new environments.
- Having good knowledge in Object Oriented Programming.
- Extensively involved in developing web applications.
- Familiarity with MySQL/SQL databases and their declarative query languages.
- Basic exposure on **Machine Learning Algorithm** with Scikit – Learn Module in Python.
- Having knowledge on deployment process.

EDUCATION:

- B-Tech from Pragati Engineering College affiliated to JNTUK.

TECHNICAL SKILLS:

Language	:	Python, AWS (Lambda & Step Function).
Database	:	MYSQL, Postgres
Web Framework	:	Django, Flask
Operating Systems	:	Windows.
Data Science	:	Machine Learning.
Serverless	:	Serverless Framework.

SPECIFIC PROJECT EXPERIENCE:

Project:

Customer : ScienceLogic

Project Name : SaaS Toolbox

Environment : Python, MYSQL (RDS), AWS Lambda, Step Function & Serverless Framework.

Role : Python Developer

Description:

- SaaS Toolbox is a web portal for fulfilling Customer Requests, Administrative actions, Reporting needs and Capacity planning for SaaS stacks.
- Moving to functionality there are different modules in web portal like Customer Inventory, SaaS Telemetry, Requests Fulfilment.
- Moving the workflow and business logic to AWS cloud formation using serverless framework (AWS Lambdas and Step functions, Cloud Watch).
- Every 24 hours the batch process will run with help of CloudWatch and update the data in RDS(MySQL) and reflects the same in web portal.

Roles & Responsibilities:

- Developed business logic in AWS lambda functions and step functions.
- Involved in creating step function workflow.
- Implemented requests library for rest call and extracting required information.
- Created a serverless framework for deploying the code into AWS cloud formation.

Project:

Customer : Cvent

Project Name : Migration of CPS workflows out of Service Now to AWS Serverless.

Environment : Python, Postgres (ORM), AWS Serverless Framework

Role : Python Developer

Description:

- CPS Version 3.0 is an outcome of the migration of CPS and related components out of Service Now AWS Serverless architecture.
- Moving the workflow and business logic to AWS cloud formation using serverless framework, (AWS Lambdas and Step functions)
- Provision-able resources: Virtual Machines
- User can make a request for the Provisioning a Virtual Machine and he can decommission the same whenever he wants.
- Provision Process: Only four hosts can be provisioned at a time. CPS automatically queue requests if the number of concurrent requests exceeds its should capacity, but if provisioning a significantly high number of hosts at the same time and you see multiple failures, it could be related to workflow capacity.
- Decommission Process: At the end of the decommissioning workflow, VMs will get shut down but will still be accessible. CPS will wait seven days (subject to change based on retention policies) before permanently destroying the VM container.

Roles & Responsibilities:

- Developed business logic in AWS lambda functions and step functions.
- Involved in creating step function workflow.
- Involved in writing ORM Queries for accessing data.
- Created a serverless framework for deploying the code into AWS cloud formation.

Project:

Project Name : Req2Offer

Environment : Flask, Python, MySQL, Angular7, Bootstrap, Html5, CSS3

Description:

Requirement 2 Offer is a Web based Application. The Objective of this project is to generate a Requirement for hiring resource to organization and it helps to generate an offer letter with his salary break down and other necessary business logic. In this application we considered all the departments of the organization and types of resources. Here we develop a separate access to Super-Admin who has an authority to do modifications in Database, Registrations and can monitor the workflow process.

Responsibilities:

- Involved in developing the python code for the business logic.
- Understanding the project requirements and analysing the Backlog requirements.
- Written REST API calls using Flask.
- Integrating back-end REST API's with front-end (UI) using Angular-7.1.4.