# Iregula Srikanth Reddy

**Software Engineer**

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# Professional Summary

* Proven professional in the field **Python** and **Django, AWS** over 5.6 years of experience.
* Currently working as a Backend Developer at Q3 Technologies Pvt. Ltd., specializing in AWS Cloud platform and utilizing AWS Lambda and Python programming(Version 3.9) language
* Good Extensive experience in Developing/Handling highly interactive web-based applications specially using **AWS** services such as API Gateway, **S3**, **SNS** & **SQS**
* Created **EC2** windows servers and attached Application load balancer with respective Target groups.
* Extensively used DJANGO technologies, which includes forms, templates and **ORM** (object- relational-mapping) for communication with database in different forms.
* Extensively used validations, exceptional handlers using Django framework.
* Used Boto3 service in python to send an email through **AWS SES** and trigger the lambda if any email receives to the email
* Used Boto3 service to generate the Pre-signed URL to GET and PUT the objects in S3 bucket.
* Written python script to generate the PDF by converting the HTML using python libraries.
* Created custom alarm email notifications for lambda code error using **CloudWatch filter pattern**.
* Create and write result reports in different formats like txt, csv, and JSON.
* Worked on CSV files while trying to get input from the **MYSQL** database.
* Having good knowledge in Object oriented programming concepts.
* Involved in front-end designing using HTML, CSS and Bootstrap.
* Experienced in working with various Python Integrated Development Environments like IDLE, PyCharm and Sublime Text.
* Having great work experience with **Lists**, **Tuple**, **Dictionaries**, Functions
* Good knowledge in **Numpy**, **Pandas, Tkinter**
* Familiarity with Oracle, MYSQL, and SQLite3 databases and their declarative query languages.
* Ability to handle multiple tasks and work as in a team Members.
* Good analytical, Debugging, and programming skills.
* Committed, goal oriented, & has zeal to learn new things & technologies.

## Qualification

 B.Tech (MECHANICAL) from Vignan’s University, Guntur.

## Skill Set

|  |  |
| --- | --- |
| **Cloud Technologies** | AWS (Lambda, S3, SNS, SQS, REST API Gateway, EC2) |
| **Platforms** | Windows, Unix/Linux |
| **Languages** | Python, SQL |
| **Web Technologies** | HTML, CSS, Bootstrap. |
| **Web Frame-work** | Django. |
| **Tools/IDE’s** | Sublime text, PyCharm, Visual studio code |
| **RDBMS/Database** | MySQL, SQLite3, Oracle, MS SQL SERVER |

**Work Experience**

* Working as **Software Engineer** in **Q3 Technologies Pvt Ltd**. (Gurgaon) from **July 2021 to till date**
* Worked as **Software Engineer** in **AMTP Software Pvt Ltd** (Chennai) from **April 2018 to June 2021**

## Project details

**Company :** Q3 Technologies.

**Location :** Gurgaon. **Experience**: July-2021– Till date

**Designation :** Software Engineer

**Title :** Application development

**Environment :** Python, MYSQL, AWS

## Project Description:

built a web application for submitting audit feedback about trains and train stations. Users can upload images along with their feedback, which will be stored in AWS RDS with a unique reference ID. The application will use AWS Lambda with SES to send email notifications to designated email addresses. It will also process .docx files, extract data, and insert it into AWS RDS using a Python script.

## Responsibilities:

* + Configured CloudFront, AWS's high-performance distributed edge caching infrastructure, for efficient content delivery.
  + Utilized AWS DMS (Database Migration Service) to migrate data from an Azure MySQL database to an AWS MS SQL Server environment.
  + Utilized S3 Buckets for storing images, documents, and database backups (.bacpac files). Developed Python scripts to migrate files using AWS Lambda.
  + Configured DMS Service for migrating MySQL server data from Azure to AWS environment.
  + Used S3 Buckets for storing images, documents, and database backups.
  + Configured cross-account Route53 for domain hosting, routing, and attached Elastic Load Balancer.
  + Developed REST APIs using AWS API Gateway and integrated them with AWS Lambda to handle various content types such as JSON and multipart form data.
  + Set up Cognito Identity Pool to access S3 objects without AWS access ID.
  + Utilized Route53 for domain hosting, routing, and implemented client-provided certificates.
  + Created VPC configuration with private and public subnets to access a private RDS (Relational Database Service).
  + Deployed applications in AWS and utilized Cloud9 for installing Python libraries in Lambda layers.
  + Developed Python scripts to update database content and manipulate files.
  + Implemented user-exceptional handlers to minimize errors.
  + Configured Application Load Balancers for Windows EC2 servers through target groups.
  + Hands-on experience with MS SQL Server Express edition and Standard Edition.
  + Created and configured VPC, AWS Lambda, and AWS RDS within the same VPC.

**Company** : AMTP Software Pvt Ltd.

**Location :** Chennai. **Experience**: Apr 2018 – June 2021

**Designation :** Jr Software developer

## Project1

**Title:** ISSUE Tracking System (ITSY)

**Environment:** PYTHON, DJANGO, SQLITE3, HTML

## Project Description:

ITSY is a software application that provide a ticketing system, to record and segregate each and every ticket with status of criticalness to their respective department.

The main agenda of this application is to collect as many tickets as possible and try to make better understanding about tickets to the respective department.

## Responsibilities:

* Created dynamic web pages with Django’s URL patterns and views, including function views, class- based views
* Created Dynamic Web-Pages with **Django** Framework
* Used front-end technologies HTML, CSS
* Designed relationship between models
* Build out views, Templates, Models, URLs for designing framework
* Used validation system that can translate between Html forms and database
* Created Admin action
* Created user-exceptional handlers in order to avoid errors as many as possible.

## Project2

**Title:** LWE (Learn-With-Ease) **Environment:** PYTHON, DJANGO, SQLITE3 **Project Description:**

The main theme of the project is to provide the easy learning’s through this blog, it also offers the users to provide free and paid courses.

## Page contents:

* My source (authentication i.e., sign-up user form, Email-verification link)
* Flash learns (offered or free courses
* Intern with ease
* Premium content (paid courses, subscription details)

## Version &Modules:

 Django = 2.0, Python = 3.6.5, Registration redux, Crispy forms

## Responsibilities:

* Involved in production activities.
* Enabled Admin-Interface to perform modification (CRUD) operations.
* Created dynamic web pages with Django’s URL patterns, views as per client requirement.
* Designed relationship between models.
* Separated admin and user views.
* Created User-Friendly interface to access anyone by providing accurate elements.

## (I. Srikanth Reddy)