INSAID

Internship Task

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Cloud Computing Researcher

Instructions

You are required to come up with a solution to the provided business case in the next section.

Eligibility Criteria:

- Only college/university pass-out or final-semester students are eligible.

Business Context

This case requires trainees to deploy an end-to-end website to store the data of students.

The information of students will be containing the following features:

Student ID

First Name

Last Name

Current Job

Location

Candidates need to store data in Relational Database using AWS Services. Candidates need to deploy their web pages using Amazon Elastic Compute Cloud and provide the working web address.

Deliverables

- Delivering as a PoC (Proof of Concept) is fine.
- Preferable to deliver the project as a
   a. Working website link
   b. GitHub link of created files
   c. Readme file containing explanations of various steps taken by you.

Source Acquisition

- **Source Acquisition:** The HTML Pages can be found **here**.

Candidate Expectations

Your task is to execute the process for deploying a website using AWS EC2 while answering the following questions in the readme file.

1. Describe basic aspects of AWS Elastic Compute Cloud.
2. How to create a virtual machine instance in AWS EC2.
3. How to install an Apache webserver on AWS EC2 Instance.
4. How we can connect an AWS EC2 instance to a MySQL server database.
5. How to connect a domain to your website using Route 53.
6. Demonstrate the hosted website.
7. What are the key factors to keep in mind during the process?
8. Clean up the project environment and avoid future costs.

Note: Candidates are free to use any programming language based on their requirements.