Cesar L. Aracena

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Summary: I am a process-oriented data analyst with 10+ years of experience with strong communication and interpersonal skills. My work has been mostly in real-time data analysis and post-reporting. I am seeking an opportunity to start my career as a remote data analyst as my previous experience was always as in operations and data analysis in the Oil & Gas industry. I am a focused and dependable person who can work well with others or independently.

Portfolio & more about me: https://claracena.github.io
LinkedIn profile: https://www.linkedin.com/in/cesar-aracena

Qualifications:

- Proficient in Microsoft Excel, SQL.
- Advanced understanding of Python, Data Visualization, and database management.
- Experience in Agile Methodology.
- Currently studying Python, Tableau and doing second Data Analyst Certification.
- Comfortable presenting to internal and external stakeholders.

Education:

Coursera + Google
Google Data Analyst Professional Certificate, March 2022
Certificate Verification Link: https://coursera.org/verify/professional-cert/5QYWYYKT9JBT

URBE (Venezuela)
Computer Engineering (Thesis missing), June 1999

Work Experience:

Tecpetrol
Production Operator, September 2017 – September 2020
I was responsible for monitoring and controlling operations, production, and work in the totality of the oil field, having over 40.000 signals with data updating every second. Responsible for creating daily, weekly, and monthly reports and presenting findings and insights to different levels of management.

Patagonia Services
Co-Founder and COO, July 2014 – September 2017
Provided advice on technical advances for small Oil & Gas service companies, advice on new areas, and training for their personnel. We analyzed both the technical and financial/contractual data for our clients in order to discover ways to better those companies.

Weatherford International
Data Acquisition Supervisor, November 2010 – June 2014
Was responsible for a team of well testing where we had to acquire and analyze data in real-time and create daily reports for both internal and external stakeholders. Created and setup the first system for real-time data operations for well testing for Weatherford worldwide.

Canada Tech
Global Supervisor, June 2007 – July 2010
I was responsible for installation of downhole real-time data acquisition tools, setup data analysis tools, and presenting reports to stakeholders. Most noticeable clients were Pioneer Natural Resources in North Africa and Petronas in Malaysia.

SQL Queries Examples

Example 1: Simple SELECT, simple arithmetic, conditionals, and grouping:

```sql
-- Comparing deaths from Covid-19 by continent
SELECT
      location,
      MAX(CAST(total_deaths AS bigint)) AS total_death_count
FROM
      Covid.dbo.CovidDeaths
WHERE
      continent IS NULL --Take only countries into account and not grouped by continent
      --AND location != 'World' -- Take out total sum
      AND location NOT LIKE '%income%' -- Take out divisions
      AND location != 'European Union' -- Take out divisions
      AND location != 'International' -- Take out divisions
GROUP BY
      location
ORDER BY total_death_count DESC
```

Example 2: JOIN operations:

```sql
-- Total population per country per day vs. vaccination
SELECT
      deaths.location,
      deaths.date,
      deaths.population,
      vaccines.new_vaccinations
FROM
      Covid.dbo.CovidDeaths AS deaths
JOIN
      Covid.dbo.CovidVaccinations AS vaccines
ON deaths.location = vaccines.location
      AND deaths.date = vaccines.date
WHERE
      deaths.continent IS NOT NULL
      AND deaths.location = 'Argentina'
ORDER BY 1, 2
```

Example 3: CAST, JOIN and conditionals together:

```sql
-- Percentage of people with 1 dose, 2 doses and booster day per country each day
SELECT
      deaths.location,
      deaths.date,
      (CAST(vaccines.people_vaccinated AS bigint) / deaths.population * 100) AS
population_1_shot_pct,
      (CAST(vaccines.people_fully_vaccinated AS bigint) / deaths.population * 100) AS
population_2_shots_pct,
      (CAST(vaccines.total_boosters AS bigint) / deaths.population * 100) AS
population_booster_pct
FROM
      Covid.dbo.CovidDeaths AS deaths
JOIN
```

```sql
        Covid.dbo.CovidVaccinations AS vaccines
ON deaths.location = vaccines.location
        AND deaths.date = vaccines.date
WHERE
        deaths.continent IS NOT NULL
        --AND deaths.location = 'Canada'
        --AND vaccines.people_vaccinated IS NOT NULL
ORDER BY 1, 2
```

Example 4: Common Table Expressions

```sql
-- Fetch all games per platform and per year
;WITH GamesCount AS
(
        SELECT
                COUNT(Name) AS Quantity,
                Platform,
                Year
        FROM
                [click-games].[dbo].[vgsales]
        GROUP BY
                Platform,
                Year
)
SELECT
        *
FROM
        GamesCount
ORDER BY
        Year
```

Example 5: Views

```sql
-- Create view of quick overall stats
CREATE VIEW OverallStats AS
SELECT
        COUNT(Name) AS 'Amount of Games',
        COUNT(DISTINCT(Platform)) AS 'Amount of Platforms',
        COUNT(DISTINCT(Genre)) AS 'Amount of Genres',
        COUNT(DISTINCT(Publisher)) AS 'Amount of Publishers',
        ROUND(SUM(NA_Sales), 2) AS 'North America Sales',
        ROUND(SUM(EU_Sales), 2) AS 'Europe Sales',
        ROUND(SUM(JP_Sales), 2) AS 'Japan Sales',
        ROUND(SUM(Other_Sales), 2) AS 'Rest Of The World Sales',
        ROUND(SUM(Global_Sales), 2) AS 'Global Sales'
FROM
        [click-games].dbo.vgsales
```