

# **Roger Mesén Delgado**

## **Data Scientists | GIS Specialist**

### **RESUME:**

---

I am a Data scientist with extensive experience in data science and geospatial analysis. Proficient in GIS, APIs, Pandas, NumPy, and Scikit-Learn, I optimize workflows and data analysis. My focus on continuous improvement and professional development drives informed decision-making and organizational efficiency.

### **PERSONAL INFO:**

---

Mobile Phone: (506) 8731-2004

E-Mail: mesendelgado@gmail.com

### **EXPERIENCE:**

---

#### **Fresh Del Monte**

##### Smart Farming Manager

October 2019 - Present (4 years 7 months).

Costa Rica.

- Utilizing GIS (ESRI Platform, Server, portal, AGOL, ArcGIS Pro, Survey123), I manage and analyze agricultural data to enhance in-season decisions. I integrate earth observations, imagery, field data, and real-time streams, boosting efficiency, profitability, and sustainability.
- I specialize in Oracle DB maintenance, managing table creation and coordinating diverse tasks. Additionally, I develop maps and dashboards, integrating key variables like soil, irrigation, yield, production costs, profit, and compliance data.
- I integrate maps, imagery, field data, and real-time sensor feeds into interactive applications, enhancing user engagement and data interactivity.
- I leverage robust EDA (Exploratory Data Analysis) and ADA (Adaptive Data Analysis) methodologies, employing libraries like Pandas and NumPy for data wrangling, Matplotlib and Seaborn for visualization, and Scikit-Learn for implementing machine learning models. This comprehensive toolkit enables me to dissect complex datasets, uncovering insights that drive strategic decision-making and innovative solutions.

#### **Geotecnologías S.A. -ESRI**

##### GIS Specialist

October 2017 - October 2019 (2 years).

San José, Costa Rica.

- Review data flow, management and distribution activities to support GIS. Support in designing and creating geospatial databases. Manage geospatial databases and develop maps and aerial photography. Maintain geospatial documentations for reference purposes.
- Assist in preparation of the annual budget. Work in compliance with GIS standards and quality policies. Provide technical guidance to GIS users when needed. Assist technical

team in system design and development. Stay abreast with latest developments in the GIS field.

- Support in developing work plans for complex projects. Support and manage GIS applications based on growing business demands. Plan and coordinate GIS activities to meet outlined goals. Develop quality control standards for system application Analyze and resolve system issues in a timely manner. Perform data capture and analysis for GIS products.

## **EDUCATION:**

---

UNED

Bach Software Engineer (2023 - Current)

Universidad de Costa Rica

Master's degree, Geography (2018 – Current)

PROMIDAT

Machine Learning Expert (2022)

Coding Dojo

Specialty, Data Science (June de 2021 - December de 2021)

Universidad de Costa Rica

Bachelor's degree, Anthropology (2008 - 2012)

Colegio Técnico Profesional de Buenos Aires

Technician, Programming Informatics (2004 - 2006)

## **CERTIFICATIONS:**

---

Foundations of project management - Google

ArcGIS Desktop Entry 19-001 - ESRI

## **LANGUAGES:**

---

English (Full Professional)

Español (Native or Bilingual)