Manolo Rey García

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PROFESSIONAL PROFILE

Bilingual environmental engineer and Universidad de los Andes graduate with experience in data analysis, full stack web development, and process automation. My work spans data collection, structuring, and cloud storage, as well as the design of performance indicators and interactive dashboards. I combine my engineering background with technology to develop solutions that address information needs, improve processes, and support decision-making.

EDUCATION

Universidad de los Andes — **Bogotá, Colombia**
Master's Degree in Artificial Intelligence — *In progress*

Universidad de los Andes — **Bogotá, Colombia**
Bachelor's degree in environmental engineering — *October 2023*

Universidad del País Vasco — **Bilbao, Spain**
Academic exchange — *August 2022-February 2023*

EXPERIENCE

Unidad Nacional para la Gestión del Riesgo de Desastres - UNGRD — **Bogotá, Colombia**
Independent Contractor | Data Analyst and Full Stack Developer — *March 2025 – Present*

- Lead digital transformation efforts within Strategic Planning by developing and deploying institutional web applications using a full stack approach.
- Design and implement analytical tools and interactive dashboards to monitor critical institutional processes in real time, including financial execution, project contracting, and the analysis of variables related to natural phenomena for disaster risk management.
- Design and manage cloud data solutions to integrate and structure information from multiple sources, ensuring data traceability, consistency, and quality for analytical purposes.
- Continuously analyze the organization's administrative and operational workflows to identify bottlenecks, reduce delays, and implement automation and process improvements across functional areas.
- Translate operational and strategic business requirements into structured data models and automated reporting systems that support and streamline management decision-making.
- Serve as a technical and strategic liaison, working closely with legal, finance, technical, and planning teams to ensure that analytical solutions meet the organization's operational needs.

SIGLO XXII — **Bogotá, Colombia**
Environmental Analyst — *July 2024 – January 2025*

Created and structured a comprehensive environmental data repository covering all Regional Autonomous Corporations (CAR) in Colombia. Responsibilities included collecting, validating, standardizing, and organizing data to ensure information quality, consistency, and accessibility for analytical purposes and public transparency.

Propisos S.A. — **Bogotá, Colombia**
Entry-Level Environmental Analyst — *June 2023 – June 2024*

Supported data collection, analysis, and reporting for sustainability and environmental impact assessments in construction projects. Communicated analytical findings and recommendations to management and project stakeholders.

COURSES AND SKILLS

Codecademy: Data Science Foundation (2024) | Data Scientist Analytics (2024)
Coursera: Machine Learning Specialization (2026) | IBM Full Stack Software Developer (In progress - 2026)
Technical Skills: HTML | CSS | JavaScript | React | Typescript | Python | SQL | R Studio | Visual Basic | Tableau | Power BI | Looker Studio | Cloud Data Platforms | ETL / ELT Pipelines | GitHub | ArcGIS | MS Office
Languages: English — Native proficiency