

Jairo Ruiz Saenz

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FRONT END DEVELOPER

Highly analytical engineer & software developer lead with 10+ years' success creating bottom-line impact through data analytics, business intelligence and front-end developments aligned with global business strategies. Instrumental in designing, developing, and testing multiple applications and systems incorporating technologies such as Python, HTML, CSS, JavaScript, Django, Tableau, Power BI, among others. Adept at analyzing user interface and experience trends and customer needs to create and introduce innovative software solutions and stand out design. Demonstrated success in development projects, improving customer satisfaction by delivering high quality results. Articulate communicator with credible history of cultivating collaborative partnerships with interdepartmental teams, executive management, customers/clients, and key stakeholders to achieve strategic business goals/objectives.

Areas of Expertise

- Data Analytics, ML & BI
- Interactive Dashboards and Reports
- Responsive Web Design
- User Interface/Experience Design
- Data Visualization
- HTML/CSS & JavaScript/jQuery

PROFESSIONAL EXPERIENCE

DOCOKIDS – Colombia

Front End Developer

(02/2022 to Current)

Spearhead the development of the company's new website. Produce, maintain, and modify user interfaces by writing website code using HTML, CSS, JavaScript, and Bootstrap. Incorporate brand align graphics to the overall website design. Ensure the website is accessible across multiple platforms. Routinely test the website for ease of use, speed, and other quality factors. Fix any website issues or bugs that arise. Support the backend development team to correctly apply Django framework and create functionalities that enhance the user's website experience.

Key Achievements:

- **Launched Docokids' new website** with a completely new user experience design, blog section and integrated with PayU and PayPal to streamline payments and internal accounting, sales, and operations control.

NATIONAL PLANNING DEPARTMENT (DNP) – Colombia

Data Scientist & Lead Front End Developer

(11/2019 to Current)

Member of data science unit. Collaborated with multidisciplinary teams in innovative projects around machine learning models to enhance public policy formulation and decision making. Developed tools in Python that facilitate the verification of database content and provides quality metrics so that users can decide if their databases need to be modified before being used in projects; as well as simplify tasks involving text processing and analysis through Natural Language Processing (NLP).

Key Achievements:

- **Contributed to two python open-source projects:** [LEILA - Data Quality Library](#) and [ConTexto – Text Processing and Analysis Library](#)

SOCIAL LIABILITY FUND OF COLOMBIA'S NATIONAL RAILROADS – Colombia

Data Analyst & IT Consultant

(08/2018 to 12/2019)

Managed and improved the company's databases by implementing data processing scripts and a data cleansing process by fixing or removing incorrect, corrupted, incorrectly formatted, duplicate, or incomplete data within multiple datasets. Participated in the in-house development of an invoicing tool by developing a web application in Django for invoice generation and visualization reducing processing times.

Key Achievements:

- **Generated overdue invoices for over USD\$500.000** within 6 months after the first prototype was launched.

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UNIVERSIDAD DE LOS ANDES – Colombia

Teaching Assistant, Visual Analytics Class

(09/2018 to 12/2018)

Cooperated with the [Visual Analytics](#) class. Helped with lesson preparation, including code reviewing, and grading of the work submitted by students. Reviewed lessons with students on a one-on-one basis or in small groups. Tracked attendance, graded assignments, and calculated grades. Provided extra help to students who were struggling with a concept such as fundamentals of web development and visual analytics.

RAPPI – Colombia

Business Intelligence Analyst

(05/2018 to 06/2018)

Supported the supply and demand planning team by analyzing datasets and key performance indicators to identify the estimated demand for the future and adjust the level of preparedness that is required on the supply side to match demand.

MINISTRY OF INFORMATION TECHNOLOGY AND COMMUNICATIONS (MINTIC) – Colombia

Data Analyst

(08/2016 to 05/2018)

Provided technical and methodological assistance to create, prepare and develop sectoral studies focused on acquiring information to support better decision-making from policy makers and contribute to periodical publications such as the TIC annual survey and the postal sector quarterly newsletter. Active member of strategic projects providing technical knowledge and software development and database management skills.

Key Achievements:

- Participated in the “[Big Data for the Measurement of the Information Society](#)” pilot project endorsed by the International Telecommunications Union, Claro, MINTIC and DANE

ADDITIONAL EXPERIENCE

Master Data Analyst • SABMILLER – Colombia (2015)

Analyst • TERRITORIAL DEVELOPMENT FINANCIAL (FINDETER) – Colombia (2013 – 2014)

Intern • BHP BILLINTON – Colombia (2011)

EDUCATION & CREDENTIALS

Master's in information engineering (2019)

Universidad de los Andes – Colombia

Project Management Specialist (2016)

Universidad Sergio Arboleda – Colombia

Industrial Engineer (2013)

Universidad de los Andes – Colombia

ADDITIONAL COURSES

Data Science Training 2021 – Ministerio de Tecnologías e Información & Correlation One (2021)

LANGUAGES

- **Spanish** - Native
- **English** - C1 - TOEFL 110/120 (2022)

TECHNICAL SKILLS

Python | HTML | CSS | JavaScript | Django | FastAPI | AWS | GitHub | Heroku | Tableau | Metabase | Microsoft Power BI | D3.js | Jupyter Notebooks | VBA | PostgreSQL | MS Office