


Daniel Nieto González

Portfolio  <https://nietodaniel.github.io>

Linkedin  <https://www.linkedin.com/in/nietodaniel-apps/>

Location  Colombia / Remote work

Email  d-nieto@javeriana.edu.co

Cel  [+57 3219752073](tel:+573219752073)

Software architect in formation. Data scientist, full stack software developer (>5 years of experience, 864 hours of certified academic training) and entrepreneur in services & technologies for biomedical researchers (www.digitalmedtools.com), 29 years. Experience in projects using agile methodologies (SCRUM). My multidisciplinary experience, flexibility, search of personal & professional growth, and calmness under pressure allow me to solve any situation without problems.

Skills

- **Full stack developer:** Frontend, backend & data science developer. Experience using agile methodologies: SCRUM.
- **Software Architect:** Proficient in identifying efficient software architecture patterns to address the incoming challenges. Formation in ADD, ATAM, 4+1 view, among other methodologies.
- **Data Science Engineer:** data science and machine learning projects under CRISP-DM, applying software architecture concepts to efficiently address the situation.
- **Machine Learning:** Data processing, applying supervised and unsupervised algorithms for classification and regression. Experience with deep learning, deep reinforcement learning, neural networks, among others
- **Front-End developer:** React, Angular, Vanilla Javascript, JQuery, CSS, SCSS, Bootstrap, HTML, Blade templates (Laravel), Redux, ExpressJS
- **Back-End developer:** Django, Laravel/Lumen. Basic knowledge: NodeJS, C#, Databases (MySQL, Oracle)
- **DevOps Engineer:** App deployment. Heroku, IIS, Github Pages
- **Data Science developer:** Python, R, R packages, Azure ML studio, API integrations, SQL queries
- **Statistical & research advisor:** Consultant in biostatistics, scientific research, redaction, etc.
- **Data analyst:** Proficient in basic & inferential statistics, use of statistical software (minitab, stata, R, Excel, etc.). Data visualization: Mathplotlib (python), R, PowerBI, tableau
- **Language:** Spanish: native. English: listening, reading, writing (*Advanced*). Speaking (*Basic*)

Education

- **Master of systems engineering** (*Post-Graduate, currently studying*): **Grade: 4,46**. Pontificia Universidad Javeriana, Bogotá. Formation in Machine learning and Software Architecture: 864 certified academic hours:

Advanced topics in analytics (192 h). Grade: 5,0

Methods and applications in analytics II (192 h). Grade: 4,5

Design and evaluation of software architecture (192 h). Grade: 4,0.

Data management (96 h). Grade: 4,9

Business intelligence (192 h). Grade: 4,4.

Multiagent systems (192 h). Grade: 4,3

- **Biologist** (*Pre-Graduate*): **Grade: 4,05**. Universidad del Valle, Cali

Work experience (>5 years)

Software developer (>3 Years)

Software Developer in Vision & Marketing <https://www.paho.org/bireme/>, *ENE 2021 – PRESENT*

Construction of a platform for finding jobs and easing the process of candidate selection for business. (Supervisor: Lina Obando). **Technologies:** Angular, React, Django, Python, Github, IIS (Deployment)

Contractor in BIREME/OPS/PAHO <https://www.paho.org/bireme/>, *FEB 2019 – NOV 2019*

Planning, design & development of a software aimed to ease the search of academic papers using the PICO (Patient, Intervention, Comparison, Outcome) methodology. (Supervisor: Renato Murasaki). **Technologies:** Laravel, PHP, Github

Software Developer & CEO (Independent) in Digital MedTools (www.digitalmedtools.com). *JUN 2018 – PRESENT*

Entrepreneur in services for biomedical researcher. **See references:** Lina María Villegas, Luis Gabriel Parra, Lyda Osorio. **Technologies:** Laravel, Django, Python, R, Angular, React, C#, .net core, NodeJS, MySQL, Heroku, Github

Data scientist (>5 years)

Data scientist in Alianza Caoba <http://alianzacaoba.co/>, *AUG 2020 – OCT 2020*.

Prediction of children under state of malnutrition using different algorithms of machine learning. Project "Análítica de datos para estimar el riesgo de desnutrición de niños y niñas en Colombia bajo Covid-2019", Manos en la Data, CAF (Supervisor: Julio Carreño). **Technologies:** Azure ML Studio, Python, R, Stata, PowerBI

Data analyst in SIT CONSULTING <https://sitconsulting.com.co/>, JAN 2018 – SEP 2018.

Data analyst and statistical advisor for projects of biomedical researchers (Supervisor: Lina María Villegas).

Technologies: Python, R, SQL

Statistical consultant, data analyst (Independent) JAN 2016 – DIC 2020.

See References: Julio Ernesto Carreño, Lina María Villegas, Luis Gabriel Parra. **Technologies:** Python, R, SQL, Javascript

R Package Developer (Independent) OCT 2020 – PRESENT.

R package developer for data science, machine learning and biomedical research (<https://github.com/nietodaniel>). My packages: LargeDataExplorer (<https://github.com/nietodaniel/LargeDataExplorer>):

Public repositories

Portfolio (React): My work portfolio. Built in react. Available: <https://github.com/nietodaniel/nietodaniel.github.io>

LargeDataExplorer (R): Powerful package to clean and re-format very large datasets after classifying its variables by their usefulness for machine learning. Available: <https://github.com/nietodaniel/largedataexplorer>

PICOsearcher (PHP-Laravel): PICO (Patient, Intervention, Comparison, Outcome) searcher built for the latin american branch of the World Health Organization (WHO): BIREME/OPS/PAHO, Available: <https://github.com/bireme/PICO-BackEnd>

Análisis Exploratorio de Productos en Mercados (Python): Analysis of the sell statistics in Colombian supermarkets using Python seeking to identify the 20 best product sectors for entrepreneurship. Available: <https://www.kaggle.com/nietodaniel/an-lisis-exploratorio-de-productos-en-mercados>

Research experience

- Grupo de Epidemiología y salud poblacional (GESP), 2018. Project Neurovirus Emergentes de las Américas (NEAS)
- Design ✓ of two digital solutions built in Excel and Visual Basic, for biomedic research: RevEasy: Medical Systematic Searches Optimizer and Screening Tool

Awards

- Incentive for academic excellence. Biology undergraduate program. Universidad del Valle. Semesters 1, 3 and 9.
- Best ICFES. Colegio Lacordaire, Cali. Grade 11 (2009).

References (Contact info only available for Human Resources of interested companies)

Julio Ernesto Carreño Vargas ([LinkedIn](#)). Appointed professor. Department of Systems Engineering. Pontificia Universidad Javeriana.

Luis Gabriel Parra Lara ([LinkedIn](#)). Medical Degree, Universidad del Valle. Junior scientific researcher, Colciencias.

Lina María Villegas ([LinkedIn](#)). MSc Biomedic Sciences. CEO. SIT Consulting Colombia.

Lyda Elena Osorio ([LinkedIn](#)). PhD Epidemiology. Appointed professor. Leader of Grupo de Epidemiología y Salud Poblacional (GESP). Universidad del Valle.

Marvin Cely ([LinkedIn](#)). Web UI developer, Globant. Master's student of systems and computing engineering.

Abraham Montes Humanez ([LinkedIn](#)). Drilling Engineer, Ecopetrol. Master's student of systems and computing engineering.

Contact

Contact me for more information and if you want access to the full version of my curriculum Vitae: [+57 3219752073](tel:+573219752073)

