Nicolas Guarin Gaviria

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Mechatronics Engineer with 3 years of experience in integrating mechanical, electrical, and computer-controlled systems, specializing in AI, cloud technologies, and data analytics. Skilled in Python, Matlab, Agile methodologies, and project management, I have developed scalable microservices on AWS and delivered actionable insights through data analysis in SQL and Power BI. Curious about innovation, I drive the integration of Industry 4.0 technologies and continuously pursue learning in Data Science and Cloud Computing to stay ahead in the tech landscape.

Aptitudes and Skills

- Excel
- Python
- Power BI
- Matlab
- SQL
- Data analysis
- Machine learning
- AWS
- DevOps

- Scrum
- Teamwork
- Dynamic
- Creativity
- Resilient
- Customer Service
- Empathy
- Leadership
- Git

- Frontend (learning)
- Backend (learning)
- Serenity (learning)
- Playwright (learning)
- Jmeter (learning)
- Unit test (learning)
- Working under pressure

Latest Experience

SOFTWARE ENGINEER AND AI SUPPORT
Company: Bancolombia
May 2022 – May 2024 [Bank – Technology in Financial Emphasis]

- Implemented complete SDLC processes for multiple services, from cloud infrastructure to REST API solutions, achieving over 100% cost reduction per application.
- Streamlined processes, enhancing efficiency and reducing technical errors by 30% through better configuration management.
- Utilized Azure DevOps and agile methodologies like Scrum to optimize collaboration and deliver high-quality products, reducing production deployment times from 2 days to 2 hours.
- Improved delivery times and team productivity, reducing average effort by 2 points per team member.
- Leveraged automation testing languages like Serenity and Playwright to ensure a 99% bug-free application rate.
- Migrated the application from version 3.4 to version 4, diversifying test strategies.
- Played a pivotal role in the development and execution of sending campaigns through chatbots using external services like Transfer Family, scaling customer reach from 100 thousand to over 1 million per month.

BUSINESS ANALYST INTERNSHIP
Company: Bancolombia
Jul 2021 – Jan 2022 [Bank – Technology in Financial Emphasis]

- Extracted data from Impala databases using SQL and accessed multiple data sources via SAS Studio, enhancing value for two new data sections.
- Automated Excel workbooks to enhance efficiency and accuracy in handling large volumes of data Reducing manual error by 70%.

- Decreased turnaround time by automating the transfer of over 30,000 data entries, dropping the need for copy-pasting.
- Designed and launched a Power BI tool providing managers and VPs with access to historical data, future trends, and interactive charts.
- Published the tool on the bank's network, aiding strategic decision-making for VPs and area managers.
- Enabled VPs to project future data up to 6 months in advance, enhancing strategic planning.

Education

MECHATRONICS ENGINEER
University: Metropolitan Technological Institute
Major in Robotics and Artificial Vision
Apr 2022

Certifications
- https://www.credly.com/badges/f91e63e9-820e-4f56-878c-3142232eec06/linked_in?t=rkikvm
- https://www.credly.com/badges/aefdb276-9ab0-4b99-ae52-4f3828dce5f1?source=linked_in_profile
- **https://courses.skillsbuild.skillsnetwork.site/certificates/9789311eca9841d3afdd0efbda1ab8d7**

Languages
- Spanish
- English