

Jose Miguel López Moreno

Forward Deployed Engineer | Fullstack & Data
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SUMMARY

Mechatronic Engineer with 5+ years of experience building and deploying software for enterprise clients. Works as a Forward Deployed Engineer translating client business problems into production-ready technical solutions. Background spans full-stack development, data pipelines, ML integration, and cloud infrastructure across fintech, government, media, and consumer goods industries in Latin America.

EDUCATION

Universidad Militar Nueva Granada <i>Bachelor of Science in Mechatronic Engineering</i>	Bogotá D.C, Colombia June 2025
Universidad Externado de Colombia <i>Training for Future Business Leaders</i>	Bogotá D.C, Colombia July 2017

WORK EXPERIENCE

Imagine Apps – Bogotá D.C, Colombia

Forward Deployed Engineer | *December 2025 – Present*

- Led end-to-end client implementations from business process discovery to production deployment.
- Built and provisioned full GCP infrastructure with Terraform including data pipelines with Apache Airflow and Apache Beam.
- Automated financial document workflows integrating ERP systems and fiscal authorities, deployed on AWS.

Fullstack & Automation Developer | *May 2025 – Present*

- Built full-stack applications with Python (FastAPI) and React, delivering RESTful APIs and client-facing systems across multiple industries.
- Designed multi-tenant SaaS architectures with microservices using NestJS and Fastify, deployed on AWS and Azure.
- Implemented CI/CD pipelines, containerized environments with Docker, and cloud infrastructure across GCP, AWS, and Azure.

Banco de Bogotá – Bogotá D.C, Colombia

Cybersecurity Analyst (Internship) | *August 2024 – February 2025*

- Automated security reporting with Power Automate, Python, and PowerShell to improve and automated security reporting and internal communication flows using Power Automate, Python, and PowerShell to improve incident response times.
- Standardized automation pipelines to ensure resilience and consistency across the cybersecurity environment.

Hhand.TECH – Bogotá D.C, Colombia

Back-End & Automation Developer | *June 2023 – June 2024*

- Built and maintained automation processes using Power Automate Desktop, API calls, and UI automation.
- Developed an internal HR management application with backend services and API integrations.
- Designed CI/CD pipelines and backend services for deployment in AWS environments.

Consortio Boyacá G19 – Bogotá D.C, Colombia

IT & Automation Specialist | *January 2019 – December 2022*

- Led automation initiatives using Python, SQL, and AppScript, improving administrative workflows.
- Developed internal applications with React for operational processes.
- Implemented monitoring scripts and alerting systems to improve infrastructure reliability.
- Built automation tools that increased operational efficiency across teams.

SKILLS

Languages: Spanish (Native) ; Advanced in English (C1)

Abilities: Full-Stack Development (React + Python), Client Implementation & Onboarding, Process Automation, Data Pipeline Engineering, ML/AI Integration, Multi-tenant SaaS Architecture, API Design & Integration, Technical Documentation, End-to-End Ownership, Testing & Quality Assurance

Technical Skills: Python (Advanced), JavaScript (Advanced), TypeScript (Advanced), SQL (Advanced), React (Advanced), NestJS (Intermediate), Terraform (Intermediate), Docker (Advanced), PostgreSQL (Advanced), MongoDB (Intermediate), GCP (Advanced), AWS (Advanced), Azure (Intermediate)

Data & ML: Apache Airflow, Apache Beam, Airbyte, Polars, BigQuery ML, Gemini API, scikit-learn