

CONTACT

Bogotá, Colombia
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in/josedanilonarvaez
github.com/dny1020

SKILLS

Languages
Python · Bash · JavaScript · SQL

Infrastructure
Docker · Nginx · WireGuard · Linux · Ansible · GitHub Actions

Telephony & VoIP
Asterisk · Kamailio · SIP · WebRTC · SRTP · PJSIP · Genesys Cloud · SBC

Cloud & DevOps
AWS · Terraform · Prometheus · Grafana · CI/CD · Systemd

AI & Data
FastAPI · RAG · LLMOps · MCP · pgvector · PostgreSQL

Tools
Git · Forgejo · Vaultwarden · Raspberry Pi

LANGUAGES

Spanish
●●●●●
Native

English
●●●○○
Intermediate (B1)

CERTIFICATIONS

Certificate of Completion: Claude Code 101
Anthropic · 2026

Certificate of Completion: Introduction to Agent Skills
Anthropic · 2026

Kubernetes for the Absolute Beginners
KodeKloud · 2025

Docker Complete
KodeKloud · 2024

Diploma in Leadership and Management Skills
UNIR | Universidad Internacional de La Rioja · 2025

Jose Danilo Narvaez Arias

AI & Automation Developer | LLM, RAG & Python Backends | VoIP & DevOps

PROFESSIONAL PROFILE

Fourteen years in IT, six of them at Emtelco. Started in telephony, moved into the Linux and container infrastructure underneath it, then into automating that infrastructure, and now into the AI systems built on top. Python and Bash first. Self-hoster and privacy advocate, with a completed AI specialization.

PROFESSIONAL EXPERIENCE

AI & Automation Developer
Aug 2026 - Present

EMTELCO S.A.

Build AI and automation tooling for contact center and telephony operations. Develop RAG pipelines and LLM-backed internal services with Python and FastAPI. Automate internal processes and third-party integrations, packaged with Docker and shipped through CI/CD.

Telephony Engineer
Jun 2024 - Aug 2026

EMTELCO S.A.

Design and implement enterprise SIP telephony platforms. Build WebRTC contact center platforms with Asterisk and Kamailio. Automate VoIP provisioning and monitoring with Python, Bash, and Docker. Manage Linux infrastructure, Nginx reverse proxies, and CI/CD pipelines.

Telephony Analyst
Oct 2021 - Jun 2024

EMTELCO S.A.

Analyzed and optimized telephony infrastructure. Developed Python-based automation tools for Asterisk AMI/ARI. Implemented Prometheus and Grafana dashboards for real-time VoIP monitoring. Managed SBC configurations and Genesys Cloud BYOC integrations.

Help Desk Analyst
Apr 2020 - Oct 2021

EMTELCO S.A.

Provided technical support for telephony systems and network infrastructure. Resolved escalated tickets for SIP, VoIP, and network issues. Documented processes and contributed to knowledge base development.

Back Office Employee
Jan 2019 - Dec 2019

Vodafone (via Teleperformance)

Back office for Vodafone, one tier behind the front line. Router provisioning, connectivity faults, and the Linux hosts running the service.

Help Desk Specialist
Feb 2012 - Nov 2018

Claro Colombia (via Atento)

Front line for Claro Hogar subscribers. Static IP, DMZ and NAT on home routers, and the escalated faults across broadband and voice. Where the networking came from.

EDUCATION

Specialization in Artificial Intelligence
Jun 2025 - Jun 2026

UNIR | Universidad Internacional de La Rioja

Postgraduate specialization focused on Python, TensorFlow, containerized LLM environments, and DevOps for AI pipelines.

B1 English Level
ILTO · 2024

The Foundations of SIP
Udemy · 2023

AWS Certified Cloud Practitioner
Amazon Web Services Training and Certification · 2026

AWS Knowledge: Cloud Essentials - Training Badge
Amazon Web Services Training and Certification · 2025

CyberOps Associate
Cisco · 2024

Introduction to Cybersecurity
Cisco · 2023

Networking Academy Learn-A-Thon 2023
Cisco · 2023

Systems Engineering (B.Eng.)
Jan 2019 - Jul 2024

Fundación Universitaria del Área Andina

Bachelor degree in Systems Engineering. Core focus on telecommunications, cloud computing, cybersecurity, and backend development with Python and Linux.

Diploma in CyberOps (Cisco)
Nov 2023 - Feb 2024

Fundación Universitaria del Área Andina

Specialized diploma in cybersecurity operations and Cisco network defense. Training focused on CyberOps, threat analysis, and incident response.

FEATURED PROJECTS

doction
Self-hosted, markdown-first wiki and knowledge base for humans and AI agents. PostgreSQL full-text search, optional local semantic search, per-page git history, a REST API, and a native MCP server for agent integration. AGPL-3.0 licensed.

Python · FastAPI · PostgreSQL · MCP · Docker

github.com/dny1020/doction

pulse_bogota
Backend-first REST API that estimates how busy a place in Bogotá is without counting people. Blends public signals into an Activity Score and a complementary Discovery Score, with Alembic migrations, a scheduler that recalculates every 15 minutes, and weekly OpenStreetMap imports.

Python · FastAPI · PostgreSQL · Alembic · OpenStreetMap

github.com/dny1020/pulse_bogota

Coffee Tracker API
Minimalist API for logging coffee intake by caffeine (mg) and drink type, consumable directly from iPhone Shortcuts. Fastify and Prisma over SQLite, with bearer-token auth, daily and aggregate stats endpoints, and OpenAPI docs.

Node.js · Fastify · Prisma · SQLite · REST API

github.com/dny1020/coffee-tracker

dotfiles
The workstation as code: Debian/WSL setup in one script, every config symlinked with GNU Stow, and a Claude Code setup with agents, skills and an MCP link to doction. A local llama.cpp model runs as a systemd user service, and a single verify gate runs the lint and tests.

Bash · GNU Stow · Neovim · Claude Code · llama.cpp

github.com/dny1020/dotfiles