

Ivan Javier Gordillo Solis

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ABOUT ME

Computer Engineering student based in CDMX, Mexico. With a focus on software development and cloud infrastructure. I enjoy the pain in configuring Linux environments, containerization, and automation through CI/CD pipelines. Aiming to apply strong analytical and infrastructure automation skills to production-ready projects.

CERTIFICATIONS

Introduction to DevOps and SRE – *LFS162*

The Linux Foundation – ID: LF-m09l63bbb3

Apr. 2026

- Completed comprehensive training on bridging software development and operational workflows using modern cloud-native frameworks.

EDUCATION

Computer Engineering

UAM Cuajimalpa · CDMX, Mexico

Oct. 2022 – 2027

PROJECTS

Personal Web Infrastructure & CI/CD Pipeline

GitHub repository

Personal Project

Jul. 2026

- Designed and provisioned cloud infrastructure on AWS using Terraform (IaC) to host a secure Astro web application.
- Built a automated CI/CD pipeline with GitHub Actions to containerize the application via Docker, push images to Amazon ECR, and orchestrate secure deployments to a VPS via SSH.
- Enforced repository branch protection mechanisms, requiring Pull Requests that automatically trigger CI workflows to validate Astro syntax and ensure successful multi-stage Docker builds before merging to main.
- Configured an Nginx reverse proxy within the VPS to manage custom domain routing and automated SSL/TLS certificate lifecycle via Let's Encrypt.

Portfolio Optimization

GitHub repository

UAM Cuajimalpa · CDMX, Mexico

Jun. 2026

- Web dashboard using Streamlit for real-time experimentation and visualization of different configurations
- Analysis and processing of financial time series (daily data from 2020-2024 for 6 assets) applying PSO to optimize portfolio allocation
- Implementation of the Particle Swarm Optimization (PSO) algorithm for risk-return based decision making

SKILLS

Languages: Python, Rust, C, Bash, SQL

Tools: Linux, Git, Docker, Terraform, AWS (ECR, EC2), GitHub Actions, Nginx

Frameworks & Libraries: Astro, Streamlit, NumPy, Pandas

Methodologies: CI/CD, Infrastructure as Code (IaC), Data Analysis