

FEDERICO DANIEL ROSSI MESCOLATTI

ELECTRONIC ENGINEER
DEVOPS ENGINEER
SOFTWARE DEVELOPMENT
ENGLISH | ESPAÑOL

Electronic Engineer with solid experience as a DevOps Engineer in mission-critical environments. Expert in CI/CD pipeline automation, containerization, cloud & on premise infrastructure, and Linux systems. Strong background in embedded electronics and critical systems.

EXPERIENCES

2025

DevOps Engineer

[Ekumen](#)

- Supported infrastructure and Kubernetes clusters for robotics simulation and platform development.
- Worked with containerized applications across development and testing environments.
- Helped automate infrastructure tasks using scripting and Infrastructure as Code tools.
- Monitored systems and cluster health to support stable and scalable platforms.

2024
2022

DevOps Engineer

[Satellogic](#)

- Led the automation and maintenance of CI/CD pipelines for satellite software using GitLab and Python.
- Deployed and managed containerized services in embedded Linux environments.
- Collaborated with firmware and software teams to streamline release processes.
- Developed internal tools for build/test automation in constrained environments.

2022

DevOps Engineer

[Analytics Town](#)

- Built CI/CD workflows for data processing pipelines using Azure DevOps and Docker.

2021

Web Developer

[Teczara](#)

- Developed backend services using Spring Boot and Django within a microservices architecture.
- Collaborated on full-stack development and REST API integration.

2021
2016

Electronic & Critical System Design

[CNEA](#)

- Operated and maintained critical infrastructure at a nuclear research facility.
- Designed and implemented electronic systems for safety and monitoring.

SELECTED PROJECTS

2024
2022

Low-Earth-Orbit Satellite Constellation

[Satellogic](#)

- Led the DevOps processes for embedded and operating system software used in low-Earth-orbit satellites.
- Developed and optimized CI/CD pipelines using GitLab, Python, Docker, and Bash for constrained environments.
- Maintained infrastructure for automated testing and deployment in Linux-based embedded systems.

2022
2017

Nuclear Reactor RA-10

[CNEA-IyC](#)

- Participated in the design and implementation of critical systems for the RA-10 nuclear research reactor.
- Developed electronic safety systems and monitoring infrastructure as part of the Instrumentation & Control team.
- Contributed to long-term reliability and compliance of high-integrity electronic subsystems in regulated environments.

2013
2011

Electronic Engineer Thesis: Geiger Counter

[UNC-FCEyN](#)

- Designed and implemented Geiger Counter signal conditioning hardware
- Programmed data acquisition with Microchip PIC microcontroller.

EDUCATION

2021

DevOps Certification

[UNC-FCEyN](#)

2016

Basic Concepts on Neutron Scattering

[UNSaM-Instituto Sábato](#)

2016

Critical System Design

CONTACT INFO

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Skills

Languages & Scripting

Bash

Python

C

CI/CD & Automation

GitLab CI

GitHub Actions

Containers & Orchestration

Docker

Kubernetes

Helm

Cloud Platforms

AWS

Monitoring & Logging

Prometheus

Grafana

Electronics/Critical Systems

Embedded Systems

Electronic Design

System Reliability

OS & Networking

Linux (Debian/Ubuntu)

Nginx

SSH / VPN / DNS

PDF

[Rossi Federico CV - Eng](#)

[Rossi Federico CV - Esp](#)

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