

# 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

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-lyC

- 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-FCEFyN

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

## EDUCATION

2021

### DevOps Certification

UNC-FCEFyN

2016

### Basic Concepts on Neutron Scattering

UNSaM-Instituto Sábatto

2016

### Critical System Design

IUBA

2013  
|  
2007

### Electronic Engineer

UNC-FCEFyN

## CONTACT INFO

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 Github  
 Gitlab  
 Linkedin

## 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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