

# FEDERICO DANIEL ROSSI MESCOLATTI

ELECTRONIC ENGINEER  
DEVOPS ENGINEER  
SOFTWARE DEVELOPMENT

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.
- Maintained data platforms using Azure Databricks and Data Lake for analytics workloads.

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-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 Sábato](#)

2016

### Critical System Design

[IUBA](#)

2013  
|  
2007

### Electronic Engineer

[UNC-FCEfYn](#)

## CONTACT INFO

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## Skills

### Languages & Scripting

Bash

Python

C

### CI/CD & Automation

GitLab CI

GitHub Actions

### Containers & Orchestration

Docker

Kubernetes

### Cloud Platforms

AWS (EC2, S3, EKS, IAM)

Azure

### Monitoring & Logging

Prometheus

Grafana

### Electronics/Critical Systems

Embedded Systems

Electronic Design

System Reliability

### OS & Networking

Linux (Debian/Ubuntu)

Nginx / Apache

SSH / VPN / DNS

## PDF

[Rossi Federico CV](#)

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