

# 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  
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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  
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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  
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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  
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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  
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](#)  
[federicorossi.com.ar](http://federicorossi.com.ar)