

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

20242022

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.

20212016

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

20242022

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.

20222017

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.

20132011

Electronic Engineer Thesis: Geiger Counter

[UNC-FCEPyN](#)

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

Education

2021

DevOps Certification

[UNC-FCEPyN](#)

2016

Basic Concepts on Neutron Scattering

[UNSaM-Instituto Sábató](#)

2016

Critical System Design

[IUBA](#)

20132007

Electronic Engineer

[UNC-FCEPyN](#)

Contact Info

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- (+54)-11-58816603
- [Github](#)
- [Gitlab](#)
- [Linkedin](#)

Skills

Languages & Scripting

- Bash
- Python
- C

CI/CD & Automation

- GitLab CI
- GitHub Actions

Containers & Orchestration

- Docker
- Kubernetes

Cloud Platforms

- AWS (EC2, S3, EKS, IAM)
- GCP
- Azure

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 federicorossi.com.ar](#)