

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
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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
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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
|
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)

GCP

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

federicorossi.com.ar