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

DevOps Engineer
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2025

Ekumen
- Supported infrastructure and Kubernetes clusters for robotics simulation and platform development.
- Worked with containerized applications across development and testing environments.
- Helped automate infrastructure tasks using scripting and Infrastructure as Code tools.
- Monitored systems and cluster health to support stable and scalable platforms.

DevOps Engineer
2024
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2022

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.

Web Developer
2021

Teczara
- Developed backend services using Spring Boot and Django within a microservices architecture.
- Collaborated on full-stack development and REST API integration.

Electronic & Critical System Design
2021
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2016

CNEA
- Operated and maintained critical infrastructure at a nuclear research facility.
- Designed and implemented electronic systems for safety and monitoring.

📁 SELECTED PROJECTS

Low-Earth-Orbit Satellite Constellation
2024
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2022

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.

Nuclear Reactor RA-10
2022
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2017

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.

Electronic Engineer Thesis: Geiger Counter
2013
|
2011

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

🎓 EDUCATION

DevOps Certification
2021
UNC-FCEFyN

Basic Concepts on Neutron Scattering
2016
UNSaM-Instituto Sábato

Critical System Design
2016
IUBA

Electronic Engineer
2013
|
2007
UNC-FCEFyN

CONTACT INFO

- ✉ federicorossi888@gmail.com
- 🌐 federicorossi.com.ar
- 📍 Esmeralda 448 Cba, Argentina
- 📞 (+54)-11-58816603
- 🐙 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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