

DIEGO SARINA

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ABOUT ME

With over 5 years of experience as a **DevOps Engineer** and **Electronic Engineer** (5-year program), I have built a strong background across multiple domains, including infrastructure, automation, programming, and Artificial Intelligence.

I am passionate about continuous learning and have deepened my knowledge in AI, which led me to complete a **postgraduate specialization in Artificial Intelligence**.

I aim to apply my academic AI background to industrial and medical applications, combining my development and deployment expertise with Machine Learning solutions for real-world implementation.

SKILLS

Languages:	English (Advanced), Spanish (Native)
Programming, Databases & Tools:	Python, C, Bash, Git, PostgreSQL, Linux, GitHub Actions, GitLab CI/CD
Artificial Intelligence:	TensorFlow, PyTorch, YOLO, Scikit-Learn, OpenCV, Pandas, NumPy, MLOps (MLflow), AI-based Observability Systems
Development Frameworks:	FastAPI, Flask, REST API, CI/CD Pipelines, Monorepo Management
Cloud & DevOps:	Amazon Web Services (AWS), Google Cloud Platform (GCP), Docker, Kubernetes, Helm, Terraform, Ansible, Jenkins, ArgoCD, Vault, Keycloak, SSO Integrations, Slurm, NVIDIA CUDA Stack, AWS DLAMI, HPC Cluster Management
Monitoring & Observability:	Prometheus, Grafana, Loki, Zabbix, Fluent Bit
Security & Compliance:	Identity Management (Keycloak, IAM, Cognito), Infrastructure Hardening, Secrets Management (Vault), Secure CI/CD Practices

EXPERIENCE

Renaiss <i>DevOps Engineer & Engineering Manager</i>	Rosario, Argentina Jan 2024 - Present
<ul style="list-style-type: none">• Led a full-scale infrastructure modernization using Terraform and AWS, defining automation and deployment standards across all environments.• Architected and maintained CI/CD pipelines (GitLab, GitHub Actions, Jenkins), reducing build times from 60 minutes to under 5 minutes by applying optimized caching and dependency strategies.• Designed and deployed observability stacks with Prometheus, Grafana, and Loki, integrating AI-based anomaly detection systems to improve incident prediction and monitoring.• Drove the company-wide migration toward containerization and Kubernetes adoption, leading the implementation and standardization of Helm-based deployments.• Improved corporate application security by implementing SSO authentication flows and self-hosting Keycloak for centralized user management and onboarding.• Led the consolidation of multiple repositories into a single monorepo with over 60,000 commits, preserving full git history and improving development workflow consistency.• Managed a multidisciplinary team across DevOps, AI, and backend projects, ensuring technical excellence and delivery alignment with strategic goals.	
Teracode <i>Operations Lead – Assigned to Bose</i>	Rosario, Argentina Aug 2023 - Dec 2023
<ul style="list-style-type: none">• Oversaw and maintained Airflow job reliability through proactive monitoring and troubleshooting.• Drove performance improvements in Airflow DAGs and AWS environments, implementing observability best practices.• Improved cost efficiency and operational visibility by refining monitoring and logging standards across teams.	

Nextira

DevOps Engineer – Assigned to Meta

Rosario, Argentina
Oct 2020 - May 2023

- Administered and optimized a High-Performance Computing (HPC) cluster of over 1,000 A100 GPU instances, managing job scheduling with Slurm and workload orchestration.
- Integrated and maintained PyTorch environments with AWS DLAMI images and NVIDIA CUDA drivers during early adopter phases, ensuring full compatibility for distributed deep learning workloads.
- Built and maintained CI/CD pipelines (GitHub Actions, AWS CodePipeline, CodeBuild) to automate HPC deployments and backend testing.
- Implemented Infrastructure as Code (Terraform, CloudFormation) for scalable cluster and application management.
- Developed and maintained automated testing frameworks using Pytest and Unittest to ensure backend reliability.
- Participated in on-call rotations managing IAM, Cognito, and infrastructure security operations.

Incluit

Software Engineer & Cloud Engineer

Rosario, Argentina
Jul 2019 - Aug 2020

- Developed a cloud-based platform for launching ephemeral high-performance computing (HPC) clusters using AWS services including Lambda, S3, CloudFormation, SQS, SNS, CodePipeline, FSx, IAM, and Cognito.
- Implemented Infrastructure as Code (IaC) with Terraform to automate environment provisioning and resource management.
- Designed and optimized backend services in Python to support cluster orchestration and data processing workflows.

Universidad Nacional de Rosario

Assistant Professor

Rosario, Argentina
Jan 2017 - Jul 2017

- Taught algorithmic thinking, data structures, and C programming to undergraduate engineering students.
- Provided mentorship and technical support to help students strengthen programming and problem-solving skills.

EDUCATION

Universidad Nacional de Buenos Aires
Postgraduate Specialization in Artificial Intelligence

Buenos Aires, Argentina
Mar 2024 - Oct 2025

Universidad Nacional de Rosario
B.Sc. Electronic Engineering

Rosario, Argentina
Mar 2014 - Oct 2023

ACADEMIC PROJECTS

Machine Learning Platform for Dental Diagnostic Assistance

AI Specialization Thesis

Computer Vision, Deep Learning, Medical Imaging, Streamlit, FastAPI, PostgreSQL, Docker

Developed a machine learning platform for the automatic detection of dental pathologies such as caries, impacted teeth, and periapical lesions from panoramic X-rays. The solution integrates deep learning models for detection and classification, automated reporting, and a web-based interface for clinical assistance.

Estacionando: A Smart Parking Management Solution

B.Sc. Final Project

Embedded Systems, IoT, Android Development, Wireless Communication

Designed and implemented a smart parking system integrating vehicle detection sensors and a mobile application for real-time space reservation, reducing unnecessary traffic and improving parking management efficiency.

AWARDS

Winner of the 1st prize coursework projects
Argentine Symposium on Embedded Systems (SASE)

Rosario, Argentina
July 2019

Developed the project "*Automatic Classification and Selection of Soft Drink Caps using Computer Vision Techniques*", focused on detecting and classifying bottle caps in real time through embedded image processing. The project was recognized with the first prize among university coursework projects nationwide.

VOLUNTEER EXPERIENCE

Volunteer Fire Department

Salto Grande, Argentina

Principal Officer – Training Manager, Prehospital Emergency Area

Nov 2010 – May 2025

Led and coordinated state-supported training programs for prehospital emergency response, collaborating with multiple rescue and healthcare teams across the region. Supervised a group of instructors and conducted community CPR training initiatives to enhance public readiness. It was a challenging but deeply rewarding role that strengthened my leadership and teamwork skills. I'm grateful for the opportunity to serve my community and help others in their time of need.