

DIEGO SARINA

sarinadiego@gmail.com · (+54) 3476 617378 · linkedin.com/in/diegosarina · diegosarina.github.io

ABOUT ME

With over 5 years of experience as a **DevOps/SRE Engineer** and **Electronic Engineer** (5-year program), I have developed a strong foundation across infrastructure, automation, software deployment, and Artificial Intelligence.

I have worked with global engineering teams, including contributing to large-scale infrastructure initiatives at Meta (Facebook), collaborating with cross-functional groups distributed across the United States, Europe, and Latin America. This experience strengthened my ability to lead technical discussions, coordinate teams, and deliver reliable solutions in high-demand environments.

I am passionate about continuous learning and completed a **postgraduate specialization in Artificial Intelligence**. My goal is to apply this academic background to real-world industrial and medical applications, combining my engineering experience with scalable ML solutions.

EXPERIENCE

Renaiss

DevOps Engineer & Engineering Manager

Rosario, Argentina

Jan 2024 - Present

- 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

Operations Lead – Assigned to Bose

Rosario, Argentina

Aug 2023 - Dec 2023

- 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

SRE / Tech Lead – Assigned to Meta

Rosario, Argentina

Oct 2020 - May 2023

- Led a distributed team of engineers in Argentina and the United States, coordinating large-scale infrastructure initiatives for Meta's HPC environments.
- Administered and optimized a High-Performance Computing (HPC) cluster of over 1,000 A100 GPU instances, managing job scheduling with Slurm and workload orchestration.
- Worked alongside Meta's internal infrastructure groups to support global research and AI workloads.
- 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.
- 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.

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
IoT & Embedded Systems:	Arduino, NodeMCU, ESP32, FreeRTOS, embedded C, wireless communication systems
Monitoring & Observability:	Prometheus, Grafana, Loki, Zabbix, Fluent Bit
Security & Compliance:	Identity Management (Keycloak, IAM, Cognito), Infrastructure Hardening, Secrets Management (Vault), Secure CI/CD Practices

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 <i>Computer Vision, Deep Learning, Medical Imaging, Streamlit, FastAPI, PostgreSQL, Docker</i> 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.	<i>AI Specialization Thesis</i>
Estacionando: A Smart Parking Management Solution <i>Embedded Systems, IoT, Android Development, Wireless Communication</i> 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.	<i>B.Sc. Final Project</i>

AWARDS

Winner of the 1st prize coursework projects

Rosario, Argentina

Argentine Symposium on Embedded Systems (SASE)

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.