

Federico Luna Agüero

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DevOps Engineer specialized in Kubernetes with over 4 years of hands-on experience operating, automating, and optimizing large-scale production environments. Proven expertise building Internal Developer Platforms leveraging Kubernetes, IaC, and GitOps to enhance developer experience and operational efficiency.

PROFESSIONAL EXPERIENCE

Ripio

Córdoba, Argentina

Platform Engineer - Sr. Devops Architect

June 2022–February 2025

- Note: Role evolved from SRE/DevOps after team merger in June 2023
- Collaborated insightfully to the design and implementation of a Kubernetes-based Internal Developer Platform (IDP) using Atlantis, ArgoCD, and Backstage, enabling infrastructure self-service to enhance developers experience, optimize costs, and standardize provisioning workflows.
- Managed multiple production Kubernetes clusters, implementing robust GitOps workflows via GitLab CI and ArgoCD, significantly enhancing system reliability and reducing deployment lead times .
- Spearheaded Infrastructure as Code (IaC) automation using Terraform and Atlantis, embedding security validations and achieving greater infrastructure standardization, proactively mitigating configuration drift and security risks.
- Executed critical migration from Rancher to Amazon EKS, enhancing system scalability and availability, improving efficiency, achieving operational cost reductions, and fastest application response times.
- Designed, implemented, and managed robust and scalable AWS infrastructure, including specialized, highly available solutions supporting Blockchain and Web3 technologies (Nodes, Chain Bridges, MPC, Testnets).
- Standardized and optimized GitLab CI/CD pipelines, drastically reducing new project setup time and accelerating the overall Software Development Lifecycle (SDLC) velocity.
- Collaborated closely with development teams, providing architectural guidance on cloud-native patterns, fostering a DevOps culture, and troubleshooting complex issues across distributed environments.

Craftech

Córdoba, Argentina

DevOps Engineer

August 2020–June 2022

- Executed complex infrastructure migrations to containerized platforms orchestrated by Kubernetes (incl. on-prem to cloud, monolith-to-microservices, VM to EKS/AKS), implementing Infrastructure as Code (IaC) with Terraform and Terragrunt to ensure consistency and repeatability.
- Managed and optimized production Kubernetes clusters (AWS EKS, Azure AKS) for performance, scalability, and reliability through active monitoring and efficient incident resolution.
- Implemented GitOps workflows using ArgoCD and spearheaded Progressive Delivery strategies (Blue/Green, Canary via Argo Rollouts) to minimize deployment risk and enhance system reliability.
- Deployed and managed observability solutions (Datadog, Prometheus Stack, ELK Stack), enabling data-driven performance analysis, SLO metrics, cost optimization, and continuous infrastructure improvement.

- Gained hands-on containerization experience leveraging Docker and Docker-Compose for project deployments.
- Managed on-premise server infrastructure (Windows & Linux) and virtualization platforms (VMware ESXi, Microsoft Hyper-V).
- Administered storage systems, data backup, and recovery strategies.
- Managed LAN/WAN network infrastructure, implementing security protocols (Firewalls, VPNs), segmentation (VLANs), and QoS.
- Provided T2/T3 technical support for critical IT infrastructure and end-users.

**Fenix Hard & Soft
IT Technician**

Córdoba, Argentina

Feb 2012–Feb 2016

- Developed foundational skills in hardware/software troubleshooting and workstation/network optimization.
- Built, configured, repaired PCs; managed organizational Windows Servers and I+D VMs.

EDUCATION

Universidad Nacional de Córdoba.

Bachelor's Degree in Philosophy (Incomplete)

Córdoba, Argentina

2016-2018

SKILLS

- **Cloud Platforms:** AWS (EKS, EC2, S3, RDS, VPC, IAM, Lambda, etc.), Azure (AKS, VMs), GCP (GKE)
- **Infrastructure as Code (IaC):** Terraform, Terragrunt, Crossplane, Atlantis, Git
- **Containerization & Orchestration:** Kubernetes (Helm, Kustomize, Karpenter, KEDA, Operators), Docker
- **CI/CD & GitOps:** GitLab CI, ArgoCD, GitHub Actions, Harbor, ECR
- **Observability:** Datadog, Prometheus, Grafana, Loki, ELK Stack, OpenTelemetry
- **Secrets Management:** HashiCorp Vault, SOPS, AWS Secrets Manager, AWS KMS
- **Scripting:** Bash, Python
- **Methodologies:** DevOps, GitOps, SCRUM

LANGUAGES

- English (B1)