

Roberto M. Cautelier

Expert Senior DevSecOps Engineer

SUMMARY

- Experienced DevOps Engineer with 20 years in software engineering and with 6+ years in cloud infrastructure automation, specializing in AWS multi-account, multi-tenant environments.
- AWS Solutions Architect Professional, AWS SysOps Administrator, AWS Developer, HashiCorp Terraform Associate, and Kubernetes, among others
- Expert in Kubernetes (EKS), GitOps (Argo CD, GitHub Actions), and security tooling (Wazuh, Trivy, Prowler).
- AI Agent platform Stack: MicroVMs, Agent Governance, Sandboxing, Security, Containerization, Virtualization, Orchestration, and Scalability.
- Proven track record in large-scale migrations, CI/CD optimization, and SOC 2 readiness across finance, health, and telecom sectors.

TECHNICAL SKILLS

Main Technical Skills	AWS (5 yr.), Kubernetes (4 yr.), Terraform, GitOps (4 yr.), CI/CD (5 yr.)
Programming Languages	Java, Python
AI & Machine Learning	AI, Deep Learning, LangChain, LLaMA, TensorFlow
Java Libraries and Tools	Apache Velocity
JavaScript Libraries and Tools	Dojo Toolkit
Python Libraries and Tools	TensorFlow
Data Analysis and Visualization Technologies	ETL, Kibana
Security	GuardDuty, IAM, Kyverno, Security, SOC 2
Databases & Management Systems / ORM	AWS DynamoDB, Data Lake, Elasticsearch, ELK stack (Elasticsearch, Logstash, Kibana), MySQL, NoSQL, PostgreSQL, relational databases
Cloud Platforms, Services & Computing	AWS (5 yr.), Azure, PagerDuty, Serverless
Amazon Web Services	AWS API Gateway, AWS Boto3, AWS Cloudformation (4 yr.), AWS CloudFront, AWS CloudWatch, AWS DevOps, AWS DynamoDB, AWS ECS (Amazon Elastic Container Service), AWS Elastic Kubernetes Service, AWS Elastic Kubernetes



	Service (EKS), AWS Fargate, AWS Glue, AWS Lambda, AWS Quicksight, AWS S3, AWS VPC
Industry Domain Experience	retail, SAAS, Telecom
UI/UX/Wireframing	Adobe Illustrator
Deployment, CI/CD & Administration	Ansible, ArgoCD, CI/CD (5 yr.), DevOps, GitOps (4 yr.), Hashicorp, Helm, Jenkins
Web/App Servers, Middleware	Apache HTTP Server, Ingress, Nginx
SDK / API and Integrations	Api Gateway, AWS API Gateway, ServiceNow API
Scripting and Command Line Interfaces	Bash, PowerShell
Logging and Monitoring	Datadog, Grafana, Logstash, Prometheus
Methodologies, Paradigms and Patterns	Distributed systems, IaC, microservices, Monolithic, Solution Architecture Design
Virtualization, Containers and Orchestration	Docker, Kubernetes (4 yr.), Packer, Terraform, virtualization, VPC Peering
Version Control	Github Actions (3 yr.), GitLab
QA, Test Automation, Security	KMS, Vulnerability Management
Mail / Network Protocols / Data transfer	Networking, Routing
Third Party Tools / IDEs / SDK / Services	Trivy
Other Technical Skills	Amazon Elastic File System, Argo, AWS EFS, Cloud automation, CodeBuild/CodePipeline, Configuration management, Containerization, Containers, Core, database, Data Processing, Kong, Lambda functions, LLMs, Monitoring, Prowler, RDS, SAST, Software Development, Software Engineering, SRE, Step functions, Vector Databases, Velero, Wazuh

WORK EXPERIENCE

Renaiss, Senior DevOps | Platform Engineer

Jan 2026 - Present

Argentina (remote - contractor)

- Owned multi-tenant cloud platform: operate and evolve the infrastructure for a Java-based SaaS platform deployed into customer-owned AWS accounts under a managed model, enforcing strict tenant isolation, security, and operational consistency across ~100 client environments.



- Modernized the deployment stack: architected a GitOps platform combining Kubernetes, CloudNativePG (CNPG) for highly available PostgreSQL, Argo CD for continuous delivery, Kyverno for policy-as-code admission control, and GitHub Actions for CI/CD, improving software release reliability, repeatability, and developer velocity.
- Built a layered security posture: deployed and integrated Wazuh (SIEM/threat detection), Trivy (SAST and vulnerability scanning), DefectDojo (vulnerability management and triage), Prowler (cloud compliance assessment), and AWS-native security services to harden multi-account, multi-tenant environments. Led SOC 2 readiness. Drove security & compliance culture.

CloudHesive, DevOps Engineer | SRE

Feb 2025 – Jan 2026, Argentina (remote)

- Led the migration of tens of critical applications for a major bank to the cloud in a few months, supporting automation, security, and operational readiness throughout the process.
- Delivered DevOps solutions on AWS and Azure across energy and tech sectors, focusing on infrastructure automation, CI/CD pipelines, and scalable multi-account environments.
- Built and managed Kubernetes clusters on EKS from scratch, leveraging Docker for containerization and ensuring efficient deployment and scaling of services. Optimized end-to-end GitOps workflows for big companies, including an important retail.
- Managed networking and security components at scale, including Transit Gateways, IAM, and VPCs, to enforce isolation and control across accounts.

WRS Health, DevOps Engineer | SRE

Aug 2022 – Feb 2025, Argentina (remote)

- Designed, deployed, and monitored containerized and serverless microservices on AWS, leveraging API Gateway, Lambda, Step Functions, DynamoDB, ECS, and EKS to support health information interoperability and terminology services.
- Responsible for meeting SLA and KPI targets for Data Lake operations and ETL automation using S3, AWS Glue, Elasticsearch, and QuickSight, enabling large-scale (hundreds of thousands) clinical data processing, analysis, and visualization.
- Key contributor to the migration of core business services and infrastructure, including Nginx, Apache, MySQL databases, front-end and back-end applications, Kubernetes clusters, Prometheus and Grafana monitoring, and networking, from the on-premises data center to AWS Cloud.
- Designed and integrated AI-driven solutions using LLMs, LangChain, vector databases, embeddings, and third-party audio transcription to enhance clinical data processing and human interaction.
- Redefined and optimized the software development lifecycle (SDLC) and CI/CD tools/platforms (Gitlab, Jenkins, Github Actions), enhancing developer productivity and deployment efficiency.

CloudHesive – Fort Lauderdale

Cloud Engineer | DevOps

Aug 2021 - Aug 2022, Argentina (remote, for US operation)

- Designed, secured, and maintained large-scale cloud systems end to end, with deep configuration, deployment, and management responsibility.



- Implementing and managing DevOps Automation (e.g Building Jenkins CI/CD on ECS Fargate; automated ETL processes) for highly available and scalable secure solutions by combining different technologies (Terraform, Jenkins, CloudFormation, CodeBuild/CodePipeline, Docker, Elastic Container Services, Powershell/Bash scripting, Python SDK Boto3, Serverless architectures/patterns: Lambda functions, API Gateways, DynamoDB, CloudFront, etc.).
- Contributed to contact-center systems with intelligent routing and external banking-service integrations via secure APIs.

Resolvit (now ADITI), SR Cloud Engineer

Sep 2020 - Aug 2021

Strong firsthand experience architecting and deploying scalable, high-availability cloud services on AWS, including EKS, IAM, RDS, EFS, Elasticsearch, and VPC networking.

- Led the design, deployment, and optimization of highly complex Kubernetes clusters and associated services (Kong Ingress, Velero, Datadog, Kubernetes Operators), ensuring best practices in security, automation, and performance.
- Managed 40+ EKS clusters across multiple regions, leveraging automation and configuration management tools to ensure seamless cross-region integration with AWS services.
- Designed and implemented Infrastructure as Code (IaC) automation using Terraform, Ansible, GitLab/GitHub, Helm, Packer, and scripting (Bash, Python) to enhance deployment efficiency and infrastructure reliability.
- Drove large-scale data migrations, including NoSQL distributed database evolution and cross-region data transfers, optimizing performance and resilience.
- Provided L3 Cloud Engineering support as an on-call escalation point, resolving incidents and change-requests for cloud services using ServiceNow, Datadog, CloudWatch, and PagerDuty.

Grupo Telecom

Solutions Architect

Jan 2020 – Sep 2020 Argentina

- Leading the implementation, optimization and handover to operations of new services through their evolution to cloud automation, like the introduction of orchestrated containerized core systems (current national cellular network).
- The design of solutions for new and innovative business challenges and its integration with the existing company's systems like CRM, BSS, and OCS.

New Services and Platforms Engineer

Apr 2019 - Jan 2020

- The design and delivery of solutions for virtualized and monolithic core networks and services as well as its integration with the company's distributed systems.
- Responsible for designing the massive provisioning and monitoring of distributed services through centralized management platforms, like Ansible, and logs collection and analysis systems at telecom operator scale.



Core Network Engineer

Aug 2013 – Mar 2019

- Design and delivery of solutions for virtualized and monolithic core networks and distributed services as well as its integration with the company's systems.
- Analysis of solutions and services offered by suppliers through RFP processes and Technical Acceptance Testing.

Huawei Technologies , Fixed Networks Engineer

Jan 2009 - Aug 2013, Argentina

- Fixed Networks Specialist, conducting design, deployment, and operations support tasks for wide area distributed datacom services.
- Experience maintaining and troubleshooting centralized management systems (HA databases, massive provisioning procedures, monitoring, and scripting, etc.) and country-wide distributed networking systems.
- Was responsible for the design and deployment of the main GPON network in Argentina.

Nokia, Senior Technical Account Manager

Jun 2004 - Dec 2008 , Argentina

- Responsible for comprehensive testing of mobile products in the Southern Cone (Argentina, Chile, Uruguay, and Paraguay).
- Contributing to the global R&D knowledge database and continuous improvement cycles over development, integration, and technical acceptance stages of state-of-the-art mobile products.

EDUCATION

- **Università degli Studi di Roma 'La Sapienza'**
Corso di Dottorato di Ricerca in Ingegneria dell'Informazione e della Comunicazione
1997 - 2000
- **Universidad Nacional de Tucumán**
Electronics Engineer, Electrical and Electronics Engineering
1991 - 1995

CERTIFICATION

- **AWS Solutions Architect Professional**
- **AWS Developer Associate**
- **AWS SysOps Administrator**
- **HashiCorp Terraform Associate**
- **Building and Deploying Deep Learning Applications with TensorFlow**
- **LLaMa for Developers**

