

Javier Rubio Roca

Platform Lead

Cloud architecture · Kubernetes · Azure / GCP
Valencia, Spain



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PROFILE

Computer engineer and platform lead at SINASUITE. I design and evolve the deployment of a hospital software suite across Azure AKS, Google Cloud GKE and on-premise environments, from architecture and migration through to operations. I coordinate decisions with customers and engineering teams. Alongside this, I build my own products and bring them to production on my self-managed Kubernetes platform.

PROFESSIONAL EXPERIENCE

Platform Lead

SINASUITE

Apr 2026 - Present

- **Cloud modernisation:** migrating customers from Docker Swarm to Kubernetes on AKS and GKE, minimising downtime and preserving their data.
- **Infrastructure:** node sizing, AKS configuration, network policies, public and private load balancers and storage classes. Collaboration with a customer on GKE provisioning using Terraform.
- **Technical leadership:** requirements, architecture diagrams and deployment guides; coordination with customers and development, implementation and project leads.
- **Operations and security:** Argo CD GitOps, External Secrets, and automation of OpenTelemetry collectors and Java instrumentation to send metrics, logs and traces to Grafana.

Software Architect

SINASUITE

Jul 2025 - Apr 2026

- **Deployment architecture:** design and proof of concept for the suite on Kubernetes, with high availability, scalability and reusable configuration across cloud and on-premise environments.
- **Automated delivery:** Docker images, Helm charts, Helmfile workflows and GitLab CI pipelines; Blue-Green and Canary deployments with Istio.
- **Distributed systems:** redesign of scheduled tasks for single execution and consistency across multiple application instances.

Backend Developer

SINASUITE

Jun 2025 - Jul 2025

Continued working on the product following the spin-off from Läberit.

- **Security and integration:** Spring Boot Starter for OAuth2 tokens and multiple clients; asynchronous messaging with RabbitMQ and hospital integration with Mirth Connect.

Backend Developer

Läberit · SINASUITE HIS-EHR

Sep 2024 - Jun 2025

- **Hospital backend with Java, Spring and JBoss/WildFly:** features, production incidents, complex SQL and regression testing.
- Reproducible development environments and shared tooling to support the engineering team.

Backend Developer · internship

Kimera Technologies

Mar 2024 - Apr 2024

- Flask backend, pytest and Jenkins testing; resolution of critical bugs and race conditions in production.

INDEPENDENT PLATFORM

Self-managed Kubernetes

Design, deployment and operation of my applications

- **Platform on a dedicated server:** self-managed cluster and declarative deployments with Argo CD to take my products from development to production.
- **Shared services:** Istio for traffic, external-dns for DNS and cert-manager for certificates; reusable automation across applications.

PRODUCTS & INTEGRATION

Costia Finance & Training

costia.app

Independent products · architecture and full lifecycle

- Design, development and operation of mobile and web applications; Finance is published on Google Play and the App Store, with AI-powered expense capture.
- **Shared identity:** OAuth 2.1 / OpenID Connect provider with PKCE and a documented public API. Training validates tokens as a resource server.

Ambrosia Recommender

market.javirub.pro

Backend and integration · final degree project

- Spring Boot / Spring AI backend with RAG and tools for a supermarket assistant. OAuth integration with Costia records purchases through its invoices API.

TECHNICAL EXPERTISE

Cloud & platforms

Azure AKS · Google Cloud GKE · Kubernetes · Docker · Istio · Networking & storage

Automation & delivery

Helm / Helmfile · Argo CD · GitLab CI / GitHub Actions · Terraform (GKE collaboration)

Backend & integration

Java · Spring Boot / Framework · REST · RabbitMQ · Mirth Connect · PostgreSQL / SQL Server

Security & observability

OAuth 2.0 / 2.1 · OpenID Connect · Keycloak · External Secrets · OpenTelemetry · Grafana

Products & AI

TypeScript · React Native / Expo · Next.js · Spring AI · RAG · AI SDK

Production troubleshooting

Urgent authentication incident spanning Docker Swarm and Kubernetes: Istio proxy, Keycloak realm public URL override and API gateway reconfiguration, with a zero-downtime redeployment.

EDUCATION

BSc in Computer Engineering

Universidad Internacional de Valencia

2019 - 2025

GPA: 7.92 / 10 · Honours: Statistics (10), Algebra (9.6)

LANGUAGES

Spanish: native · Catalan: native · English: professional