

## CONTACT

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## EDUCATION

### BSc Software Engineering

UNED (Spain)

### Technical Engineering

Universidad Nebrija

## EXPERT CERTIFICATIONS

Azure DevOps Engineer Expert  
(AZ-400)

Azure Solutions Architect Expert  
(AZ-305)

Azure Administrator Associate  
(AZ-104)

Azure AI Fundamentals  
(AI-900)

Azure Fundamentals  
(AZ-900)

Microsoft Systems Administrator  
(MCSA)

## LANGUAGES

English: B2 Professional  
ID: LG0000006428 (Verify)

Spanish: Native

## PERSONAL PROJECTS

bicicita.com

Fullstack Development & Architecture of a cycling social network (React Native, Next.js, Docker, Traefik).

# IGNACIO LEQUERICA

[See reduced CV](#)

## Senior Solutions Architect | Quality & AI Engineer

Enterprise Solutions Architect with 25 years of certified leadership driving cloud modernization, tech stack definition, and architectural resilience in high-availability and mission-critical environments (Aviation & Energy Sectors). Expert in building scalable cloud-native platforms, implementing advanced automated QA frameworks, and pioneering AI-assisted software development lifecycles (SDLC) to optimize team velocity, maximize platform stability, and achieve fast Time-to-Market.

## PROFESSIONAL EXPERIENCE

### Senior Full Stack Developer

2024 – Present

#### IBERIA (Aviation Maintenance) via CRCIT

Leading development, cloud transformation, and production resilience of critical software for Aircraft Maintenance under strict safety and operational efficiency standards.

- Built responsive, reactive frontends using **React, Vite, and Nest.js**, implementing an **Event-Driven CQRS architecture** combined with **BullMQ** for advanced job queue processing.
- Architected and developed high-throughput backend systems in **Java and Spring Boot** using Producer-Consumer patterns for seamless async processing of aviation data.
- Ensured high availability and proactive observability with **Dynatrace and Amazon CloudWatch**, participating in 24/7 production support rotations (**On-Call** every 3 weeks).
- Orchestrated cloud-native infrastructure on **AWS** (Lambdas, ECS, EC2, EventBridge, SNS, SQS, ECR) managing secrets via Secrets Manager.
- Implemented automated QA with **Jest** to mitigate regression risks on business-critical workflows.
- Enforced data persistence governance over **PostgreSQL and Oracle** databases optimizing access with **MikroORM**.
- Accelerated the corporate SDLC by integrating structured GitHub Flow and AI-assisted development via **GitHub Copilot (AI)**.

### Senior Developer & Azure DevOps Engineer

2022 – 2024

#### GRUPO KARNOV via CRCIT

Engineered enterprise SaaS solutions, modernising deployment lifecycles and managing cloud infrastructures.

- Optimised core systems across Microsoft ecosystems, including modern **.NET 7** and legacy **.NET Framework 4.8**.
- Designed and automated multi-stage **CI/CD pipelines in Azure DevOps** across production and testing environments.
- Isolated and scaled infrastructures using **Azure Virtual Machines (IaaS)** under hardened **Windows Server RDS**.
- Architected multi-tenant web deployments leveraging elastic capabilities of **Azure App Service (PaaS)**.
- Built frontends using **Vue.js and Angular 14** under semantic HTML and modern JavaScript standards.

### Backend Developer / QA Engineer

2019 – 2022

#### EL CORTE INGLÉS via CRCIT

Quality assurance engineering and backend maintenance of the e-commerce platform under massive concurrent traffic demands.

- Built automated integration and End-to-End test suites with **Selenium, Mocha, and Chai**.
- Managed defect lifecycle and test plans integrated in IBM Rational Quality Manager (**RQM**).
- Maintained server-side logic developed in **Java and JSP components** for payment workflows.
- Administered deployments on Oracle **WebLogic** servers running on enterprise **Linux** distributions.
- Containerised the QA environment with **Docker** and automated routines with **Shell Scripts (Bash)**.

### Senior Software Engineer

2018 – 2019

#### ACCIONA (Renewables) via CRCIT

Engineered data-driven solutions for real-time monitoring and reporting of renewable energy infrastructures.

- Developed high-availability backend microservices with **Java and Spring** for sensor data streams.
- Deployed interactive operator dashboards with **Angular 5** for complex asset analytical mapping.
- Provisioned cloud-native execution environments on **Google Cloud Platform (GCP)**.
- Optimised complex analytical queries over relational engines **SQL Server and Oracle DB**.

### Project Manager & Architect

2009 – 2018

#### TECNATOM (Energy & Aviation) via CRCIT

Directed development of global financial control systems for nuclear plants under strict international compliance.

- Defined the corporate tech stack: **.NET Core / Framework Web API**, Entity Framework, and SQL Server.
- Led frontend transformation using **Angular with Redux** incorporating extensive regression suites.
- Managed full project lifecycle, from requirements elicitation to international deployment.

## TECHNICAL STACKS

### CLOUD & INFRASTRUCTURE

Azure App Service (PaaS) Azure VMs (IaaS)

AWS Cloud Google Cloud Platform

Docker Compose Traefik

Windows Server RDS WebLogic

### CI/CD & DEVOPS

Azure DevOps Expert CI/CD Pipelines

GitHub Copilot Shell Scripts (Bash)

### LANGUAGES & FRAMEWORKS

.NET 7 / 8 .NET Framework 4.8

Java / Spring Boot NestJS Next.js

React / Vite Angular 14 Angular 5 Vue.js

PHP PWA

### MOBILE DEVELOPMENT

React Native Expo 53 development

### QUALITY ASSURANCE (QA)

Selenium Jest NUnit JUnit Mocha

Chai IBM RQM

### ARCHITECTURE & DATA

CQRS BullMQ PostgreSQL Oracle DB

SQL Server MySQL MikroORM

On-Call Support

### ARTIFICIAL INTELLIGENCE

ChatGPT Claude Microsoft Copilot

Google Gemini Perplexity NotebookLM

Cursor Power Automate + AI Builder

Make / Zapier

## Analyst, Senior Developer & Commercial Owner

2003 – 2009

### JACAR SYSTEMS

Technical leadership, end-to-end architecture design, and execution of software projects alongside commercial sales engineering.

- **Commercial Solution Selling:** Managed technical pre-sales, product scoping, and direct commercial pitching to key corporate clients.
- **Ecomm & SMS Platform:** Designed and implemented an e-commerce ecosystem using **PHP, HTML, JavaScript, and MySQL**.
- **Walkiria Logistics:** Architectural definition and deployment of a supply chain platform based on **.NET, C#, and IIS**.
- **Corporate Solutions:** Built distributed web applications and generated business intelligence reports with **Crystal Reports**.

### Communication Technical Specialist

2003 – 2004

#### COLT TELECOM

Sustained network infrastructure reliability and operational monitoring within an enterprise telecommunications framework.

- Monitored critical alarms across data and transport layers: **IP, SDH, PDH, LanLink, and SDSL**.
- Administered and performed closed-loop testing on **Backup Systems** and network routers.
- Collaborated with development teams for isolation and debugging of complex network anomalies.

### Computer & Network Technician

2003 – 2004

#### VITALDENT

IT infrastructure deployments, data network orchestration, and technical consulting across distributed corporate environments.

- Provisioned, configured, and hardened **Cisco** routers for secure remote interconnection over **VPN**.
- Administered office network equipment and delivered advanced multi-zone support (Helpdesk).
- Developed corporate web assets and internal technical knowledge-base infrastructure.

### Operating Systems Instructor

2001 – 2003

#### TORVALL

Specialised technical training and administration of educational laboratory technology infrastructure.

- Taught advanced **Operating Systems** for the Higher Education Training Cycle.
- Provided training in hardware and software engineering principles and academic network installation.
- Configured and managed the academy's perimeter network infrastructure.

### Software & Hardware Systems Technician

2001 – 2001

#### NCR SPAIN

System deployments and physical installations of critical servers for large corporate accounts nationwide.

- Installed production server architectures for accounts such as **Telepizza** and **Yves Rocher**.
- Isolated hardware faults and optimised base system software.

### Systems Maintenance Technician

1999 – 2001

#### CANAL NEBRIJA

Ensured operational availability of computer labs and participated in internal infrastructure development projects.