



# ARNAU MARQUILLES

## TECHNICAL LEAD FRONTEND ENGINEER

✉ [arnauma16@gmail.com](mailto:arnauma16@gmail.com) ☎ +34 622230911 🔗 [mq-portfolio.app](#)

🌐 <https://www.linkedin.com/in/arnaumq>

### INTRODUCTION

Technical Lead Frontend Engineer with over 6 years of experience architecting high-performance web applications within the Banking, Aviation, and Consulting sectors. Expert in React and TypeScript ecosystems, with a deep focus on frontend infrastructure, micro-frontend architectures, and developer experience.

**Notice Period:** 4 to 6 weeks if relocation is needed

### WORK EXPERIENCE

- 03/2024 – Present **LUFTHANSA GROUP, Technical Lead**
- Architecting and overseeing the end-to-end delivery of high-revenue flight upgrade systems within the mobile-first ecosystem.
  - Leading all strategic decisions on tech stack, scalable architecture, and deployment pipelines from inception.
  - Managing stakeholder communication and technical roadmaps, ensuring alignment between business goals and technical execution.
- 01/2023 – 03/2024 **OPENBANK, Frontend Developer**
- Developed core software for the German market in a highly regulated banking environment.
  - Managed critical production resolution and led strategic legacy code migrations to modern, scalable frameworks.
- 01/2022 – 01/2023 **ATRAPALO, Frontend Developer**
- Led the migration from a monolithic architecture to a Micro-frontends ecosystem using React, Next.js, and TypeScript.
  - Implemented Domain-Driven Design (DDD) with a strict focus on web performance, SEO, and accessibility.
- 05/2019 – 10/2021 **NTT DATA, Full Stack Developer**
- Developed and tested internal critical applications for CaixaBank, handling both frontend (React) and backend integration services.
  - Collaborated directly with clients to translate business requirements into technical solutions.

### EDUCATION

- 2017 – 2019 **WEB DEVELOPMENT SUPERIOR STUDIES**  
Intensive focus on Computer Science fundamentals, including Advanced Data Structures, OOP, and Software Design Patterns Taken at l'escola espai
- 2017 – 2018 **ADVANCED ENGLISH CERTIFICATE (C1)**  
Taken at the Spanish official language School (EOI)

## WEB TECHNOLOGIES

### Core & Languages

JavaScript (ES6+), TypeScript, HTML5, CSS3 (SASS, PostCSS).

### Tooling

Webpack, Vite, SWC, Storybook, npm/yarn/pnpm.

### AI & Automation

Agentic Development Workflows, Claude Code, n8n.

### Frameworks & Architecture

React.js, Next.js, Vue.js, Micro-frontends, Design Systems, SEO, and Accessibility (a11y).

### DevOps & Cloud

Docker, Azure DevOps, Azure Pipelines, Git (Gitlab/Github).

### Testing & Quality

Jest, Vitest, React Testing Library, Playwright (e2e tests), Lighthouse (Core web vitals).

### Backend & Data

Node.js, MongoDB, express.js.

## KEY CONTRIBUTIONS & ACHIEVEMENTS

### Lufthansa Group | Flight Upgrade Flow Re-architecture

- **System Modernization:** Orchestrated the end-to-end replacement of the legacy upgrade system with a modern Micro-frontend architecture, built from the ground up for scalability, maintainability and a fast time to market.
- **Performance Optimization:** Achieved a 50% increase in loading speeds and runtime performance through advanced code-splitting, caching, and asset optimization strategies.
- **Conversion & Retention:** Delivered a significant uplift in conversion rates and a measurable reduction in bounce rates by implementing data-driven UI patterns-such as skeleton loaders and real-time feedback systems-to elevate user experience and accessibility (a11y).
- **Data-Driven Engineering:** Integrated comprehensive data tracking and A/B testing frameworks to enable real-time business insights, user behavior analysis, and continuous product optimization.

## LANGUAGES

### CATALAN

Native

### ENGLISH

C1, fluent in conversation and writing

### SPANISH

Native

### FRENCH

Beginner, but willing to learn

## SOFT SKILLS

Cross-team Collaboration

Effective Technical Communication

Strategic Thinking

Stakeholder Management

Proactive Learning

## INTERESTS

- Technology
- Investing
- Motorcycling
- Outdoors