



ARNAU MARQUILLES

TECHNICAL LEAD FRONTEND ENGINEER

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