



# ARNAU MARQUILLES

## TECHNICAL LEAD FRONTEND ENGINEER

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### 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

<b>Core &amp; Languages</b> JavaScript (ES6+), TypeScript, HTML5, CSS3 (SASS, PostCSS).	<b>Frameworks &amp; Architecture</b> React.js, Next.js, Vue.js, Micro-frontends, Design Systems, SEO, and Accessibility (a11y).	<b>Testing &amp; Quality</b> Jest, Vitest, React Testing Library, Playwright (e2e tests), Lighthouse (Core web vitals).
<b>Tooling</b> Webpack, Vite, SWC, Storybook, npm/yarn/pnpm.	<b>DevOps &amp; Cloud</b> Docker, Azure DevOps, Azure Pipelines, Git (Gitlab/Github).	<b>Backend &amp; Data</b> Node.js, MongoDB, express.js.
<b>AI &amp; Automation</b> Agentic Development Workflows, Claude Code, n8n.		

KEY CONTRIBUTIONS & ACHIEVEMENTS

<b>Lufthansa Group   Flight Upgrade Flow Re-architecture</b>
<ul style="list-style-type: none"><li>• <b>System Modernization:</b> 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.</li><li>• <b>Performance Optimization:</b> Achieved a 50% increase in loading speeds and runtime performance through advanced code-splitting, caching, and asset optimization strategies.</li><li>• <b>Conversion &amp; Retention:</b> 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).</li><li>• <b>Data-Driven Engineering:</b> Integrated comprehensive data tracking and A/B testing frameworks to enable real-time business insights, user behavior analysis, and continuous product optimization.</li></ul>

LANGUAGES

<b>CATALAN</b> Native	<b>ENGLISH</b> C1, fluent in conversation and writing
<b>SPANISH</b> Native	<b>FRENCH</b> Beginner, but willing to learn

SOFT SKILLS

<b>Cross-team Collaboration</b>
<b>Effective Technical Communication</b>
<b>Strategic Thinking</b>
<b>Stakeholder Management</b>
<b>Proactive Learning</b>

INTERESTS

• Technology	• Investing	• Motorcycling
• Outdoors		