Federico Jaramillo Martinez

Technology Leader | Engineering Effectiveness | Payments & AI-Enabled Delivery

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PROFILE

Hands-on technology leader with CTO, engineering management and systems architecture experience. Helps teams deliver greater business value through clear priorities, simpler systems and effective use of automation and AI, while keeping headcount and costs proportionate to business needs. Experience includes European payment infrastructure, building and coaching engineering teams, and applying technology to improve operational performance. Combines technical rigor with empowerment, trust and pragmatic business judgment.

SELECTED IMPACT

- **International payments:** Worked with the Billogram team to redesign a Sweden-specific payments and transactions platform for European expansion without increasing team headcount. By departure, Finland was live, with Norway and further European integrations in progress; payment and file processing time had fallen by more than 80%.
- **Infrastructure efficiency:** At Gimi, reduced background worker instances by 75%, increased jobs processed per hour by 400%, and improved worker utilisation from 20% to 80%.
- **Team effectiveness:** Built and coached Aguayo's in-house development team and reduced ticket resolution times by 50% through improved documentation practices.

SELECTED PROJECT

PI Web — Creator & Maintainer · github.com/jmfederico/pi-web

- Built an open-source platform for AI-assisted software development, with persistent agent sessions and workspaces that let engineers delegate and supervise work independently of their laptop.
- Applied the tooling at Klingit to support AI-assisted engineering workflows.

EXPERIENCE

AOTO — Principal Product Engineer

November 2026–Present

- Collaborating with an early-stage venture and its CTO to shape product and technology direction, contributing hands-on engineering expertise and leadership experience.

Klingit — Chief Technology Officer

May 2024–October 2026

- Turned a fragmented collection of features into a coherent platform supporting the delivery organisation's day-to-day work; the Chief Delivery Officer described the result as "a platform that actually makes the team more efficient."
- Led technology work supporting AI-enabled digital production, aligning platform development with operational needs and client service delivery.
- Resized an initial three-engineer team to fit business constraints and subsequently began rebuilding capacity, balancing delivery needs, security and budget.

Billogram — System Architect / Engineering Manager / Senior Software Engineer

May 2021–April 2024 · Stockholm

System Architect: September 2023–April 2024
Engineering Manager: October 2021–September 2023
Senior Software Engineer: May 2021–October 2021

- Held primary responsibility for the payments and transactions domain, leading a core team of seven engineers and providing interim leadership across additional teams.

Billogram — continued

- Worked with the team to redesign the payments platform for expansion beyond Sweden, retaining existing infrastructure and simplifying processes while maintaining security and compliance requirements.
- Supported the launch in Finland and preparations for Norway and additional European integrations, without increasing team headcount.
- Reduced payment and file processing time by more than 80% through continuous improvements to the platform; redesigned integration foundations so new financial institutions could be integrated in days from a technical implementation perspective.
- Designed cross-border payment architecture connecting financial institutions through ISO 20022, payment providers including Stripe and Swish, and open banking platforms including Tink and Brite.
- Led engineering teams developing event-driven payment infrastructure; mentored engineers and established technical standards for mission-critical systems.

Gimi — Senior Python Engineer

December 2020–May 2021 · Stockholm

- Optimised a Django API and background processing infrastructure on AWS ECS, EC2 and PostgreSQL-compatible Aurora RDS, using performance and error monitoring to guide improvements.
- Reduced background worker instances by 75% while increasing jobs processed per hour by 400%; raised worker utilisation from 20% to 80% and halved RDS sessions.

IQVIA — Senior Python Engineer

April 2020–October 2020

- Built Django and Flask APIs supporting data science and machine learning applications.
- Expanded automated testing and multistage CI/CD, implemented Amazon Cognito authentication, and reduced Jenkins pipeline time and memory consumption through Docker build caching.

Aguayo — CTO / Senior Software Engineer

February 2018–March 2020

- Established and recruited the agency's in-house development team, working with the COO on its operating and delivery strategy.
- Led and coached engineers; reduced ticket resolution times by 50% through better documentation practices.
- Delivered Django, Vue.js and React applications and introduced reproducible Docker environments and automated cloud deployments.

Earlier leadership and engineering experience

Jaroca — Co-Owner | July 2013–January 2018
Board member; led production and the technology roadmap, including development of in-house manufacturing inventory software, automated testing and CI/CD.

SeeD EM — Co-Owner | January 2011–June 2013
Board member; led more than 15 developers and designers delivering applications for financial services, media, government and education. Introduced Git-based workflows and CI/CD.

NSW Business Chamber / Intermedium — Web Developer & Designer | 2009–2010
Developed web, e-commerce and digital communications solutions in Sydney.

TECHNICAL BACKGROUND

Payments: Cross-border payment architecture, financial institution integrations, ISO 20022, event-driven systems, Stripe, Swish, Tink, Brite.
Engineering: Python, Go, React, Vue.js, REST APIs, GraphQL, PostgreSQL, Docker, Kubernetes, AWS, CI/CD, automated testing and performance optimisation.
Leadership: Technology strategy, engineering management, team development, operational effectiveness, architecture and AI-enabled workflows.

EDUCATION & LANGUAGES

Universidad de La Sabana — Engineer's Degree, Industrial Engineering, 2002–2006
Billy Blue College of Design — Communication Design, 2008–2010

English and Spanish: native/bilingual proficiency · Swedish: elementary proficiency