

Daniel Pérez Álvarez

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Professional Summary

Results-driven Engineering Manager with 10+ years leading multidisciplinary, distributed engineering teams in scalable fintech and payments environments. Expert in bridging technical architecture and product delivery, modernizing legacy systems to microservices, and ensuring compliance with PCI-DSS and PSD2 regulations. Proven track record in Agile methodology implementation, team hiring and development, performance optimization, and delivering high-throughput transaction systems. Passionate about clean code, maintainable software design, and productive engineering practices across the full project lifecycle.

Skills

- Leadership: Engineering performance, Team and stakeholder Management, Hiring, Mentoring, Career Development, Roadmapping, Prioritization, Growth, Communication.
- Architecture: Microservices, APIs, GraphQL, Event-Driven and Asynchronous systems.
- Cloud & DevOps: Google Cloud Platform (GCP), Kubernetes, MongoDB Atlas, ELK stack
- Methodologies: Agile, Scrum, Kanban, CI/CD, Application Monitoring.
- Compliance & Security: PCI-DSS, PSD2, Data Encryption, Security Best Practices
- Languages & Frameworks: Java, Kotlin, Spring Boot, Python (ML models)
- Other: Data Categorization, Machine Learning Integration, Backoffice Systems

Professional Experience

Engineering Manager

Payxpert — Omni-channel Payments Company (Online, POS, In-App)

April 2024 – Present

- Lead two engineering teams (7 engineers total: 2 Junior Java, 2 Senior Java, 2 Senior PHP, 1 Tech Lead), 1 QA, and 1 Product Manager in maintaining and evolving a high-availability payments API platform.
- Spearhead migration of monolithic Central Backoffice (merchant/internal admin, reporting, billing) to modern microservices architecture using Spring Boot, Kotlin, GraphQL, and event-driven design.
- Establish and mature Agile workflows, define performance KPIs, prioritize backlog with PM, conduct hiring, and create individual career growth plans.
- Ensure full PCI-DSS compliance across development and operations.

Engineering Manager – Categorization & Data Business Unit

Qwist — European Financial Services Leader for Banking Sector

July 2021 – March 2024

- Managed technical design, evolution, and delivery of a transaction data categorization/enrichment system (rules + ML models) serving 7 million transactions daily at 3.5K requests/second via REST APIs.
- Led cross-functional team (1 Junior Engineer, 2 Senior Engineers, 1 Tech Lead, 1 Data Scientist, 3 Data Quality specialists, 1 Product Manager); personally hired 4 engineers.
- Collaborated daily with Product Manager on prioritization, estimations, roadmapping, and technical KPIs.
- Implemented high-performance backend using Spring Boot and Spring WebFlux (asynchronous/parallel processing); integrated Python-based ML models.
- Deployed and monitored on Google Cloud Platform (Kubernetes, MongoDB Atlas, Kibana, APM tools).
- Partnered with compliance teams to enforce PCI-DSS, strong encryption, and PSD2 regulatory standards.

CTO

MyValue Solutions — PSD2 TSP and Financial Data Provider (Spain & Portugal)

March 2019 – July 2021

- Defined strategic technology roadmap and scaled engineering team from 6 to 23 members while establishing efficient processes and delivery standards.
- Oversaw development of PSD2 AIS APIs, transaction data categorization, PSD2 payments, and related services — all fully compliant with PCI-DSS and bank audit requirements.
- Led company through successful acquisition by Qwist.

Senior Software Engineer

Biocryptology

October 2017 – March 2019

- Contributed to architecture and development of microservices for biometric identification and access management in a multidisciplinary team.

Earlier Roles (2004–2017)

- Technical Project Lead — Valassis Communications Spain (2013 - 2017)
- Technical Leader & SW Engineer — gameandbeers.com (2012–2013)
- Senior Software Engineer / Project Lead — Buongiorno MyAlert (2010–2012): Managed mobile content platform for ~80 countries; led 3 engineers; integrated Liferay portlets.
- Software Engineer — Fullsix, IT Deusto / Oesia, Assertum, O.C.U. (2004–2010): Banking migrations, Vodafone projects, DB/MVC architecture, quality & maintenance.

Education

Computer Science Engineering: Universidad Pontificia de Salamanca (UPSA), 1999– 2004

Continuing Professional Education & Languages

- Native-level English (written & spoken; 6th grade completed in USA)
- CKAD: Certified Kubernetes Application Developer (Udemy, 2025)
- Spring WebFlux Development (Udemy, 2023)
- Groovy & Grails Workshops — Greach Madrid (2017, 24 hrs)
- Scrum and Agile Methodologies (Grupo Atrium, 2016, 16 hrs)
- Refactoring & JUnit Unit Testing (2012)
- Liferay 6 & Portlets (2010–2012)
- Maven & Continuous Integration (2011)