

Pedro Mosquera

Senior Software Engineer · AI/agentic engineering, full-stack & team leadership

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SUMMARY

Senior software engineer and product owner with around 14 years building web products end to end. I lead while staying hands-on, guiding a team while still writing code, shaping the product, and working through the hard problems with the people building them. My current focus is AI done well: agentic features grounded in real signals that earn trust, not free-form output.

EXPERIENCE

Dynatrace, Senior Software Engineer & Product Owner

2020 - Present

Barcelona, Spain

- Helped build the core of Davis CoPilot, Dynatrace's generative-AI assistant, as both Product Owner and developer, in a space (LLMs) that was brand-new to me. It turns plain English into Dynatrace Query Language (DQL), generates dashboards and notebooks, and explains queries, grounding answers in real observability and security data (predictive and causal AI) instead of free-form output.
- Help drive internal AI adoption at Dynatrace, sharing practical knowledge, good practices, discoveries, and tools so colleagues get more out of AI in their day-to-day work.
- Owned data-visualization components (charts) in Strato, Dynatrace's design system, as Product Owner and developer, used by app teams across the company.
- As Product Owner for Log Monitoring (powered by Grail), owned all UI delivery.
- Led delivery within a team of 6-7 and mentored the team toward the product vision; guided three colleagues toward Product Owner roles (one stepped fully into the role, the others through shadowing).
- Acted as customer zero, dogfooding the product daily and feeding findings straight back into delivery.
- Delivered 85%+ of committed sprint work and cut incoming bugs from 4-6 to two or fewer per two-week sprint.
- Built and optimised Angular and TypeScript front-ends and worked closely with backend teams.

Clarivate, Senior Programmer Analyst

2017 - 2020

Barcelona, Spain

- Helped build life-sciences R&D platforms from the ground up, including Cortellis Pre-Clinical Intelligence and Drug Research Advisor, a target-druggability tool that was a 2016 Fierce Innovation Awards finalist in Data Analytics / Business Intelligence.
- Owned the frontend architecture on Angular and webpack, with a plugin toolchain tailored to the product.
- Designed data-dense interfaces that make complex, high-stakes scientific data (drug targets, druggability, biomarkers, patents, pharmacokinetics) clear and usable, so researchers can act on critical information quickly and with confidence.

Thomson Reuters, Frontend Developer

2016

Barcelona, Spain

- Built data-rich web interfaces in AngularJS and Angular for life-sciences R&D products; this work carried into Clarivate after the 2016 spin-off.

GFT Group, Web Developer

2015 - 2016

Barcelona, Spain

- Built and maintained features on an online platform in an agile / Scrum team, working directly with stakeholders.

SIGMA, Web Developer

2012 - 2015

Spain

- Built and optimised software for universities in Java and JavaScript; supported and trained customers.

LEADERSHIP

I lead by staying close to the work: I ran prioritisation, research, and stakeholder alignment as a Product Owner while still writing and reviewing code, leading a team of 6-7. I mentored three colleagues toward Product Owner roles (one stepped fully in); moved the team from a single backlog-owning PO to distributed epic owners; and built onboarding tools for juniors and interns. Almost every epic agreed with stakeholders shipped on time.

SKILLS

- AI / Agentic** Generative AI in production, LLM-powered features, agentic systems & grounding (RAG-style), guardrails / evals / prompt-injection defense, prompt engineering, natural-language to query (DQL), multi-provider LLM failover (OpenAI, Anthropic)
- Languages** TypeScript / JavaScript, Java, Go
- Frameworks & tools** Angular, React, Node.js, Webpack
- Backend & infra** Go, Docker & distroless containers, REST / JSON APIs, rate limiting / circuit breakers / caching, observability
- Product & leadership** Product ownership, Agile / Scrum, stakeholder management, mentoring & team leadership
- Architecture & reliability** UI architecture, design systems, frontend performance, system design

PROJECTS

- SquadAI, control plane for AI coding agents** github.com/PedroMosquera/squadaai
- One local control plane for AI coding agents: declare context, memory, permissions, MCP servers, model choices, and workflows once, and a single command writes the native config for OpenCode, Claude Code, Cursor, Windsurf, and Copilot. A Go CLI with an interactive Bubble Tea TUI, shipped via Homebrew; solo-first, with policy, verification, and drift checks for teams.
- pedromosquera.com, one Go binary, three faces** [ssh pedromosquera.com](https://ssh.pedromosquera.com)
- A terminal UI over SSH, a matching web page, and a grounded AI agent you can chat with, all from a single content source. The agent answers only from the CV, with multi-provider LLM failover (OpenAI and Anthropic), prompt-injection defense, evals, per-IP rate limiting, a persisted budget circuit breaker, and a response cache, shipped on a hardened, distroless, non-root container behind a strict Content-Security-Policy.

EDUCATION

- Cross-Platform Application Development (DAM)**
Higher Vocational Training (CFGS)
Barcelona, Spain
- Systems Administration**
Higher Vocational Training (CFGS)
Barcelona, Spain

LANGUAGES

- Spanish (native)
English (professional working proficiency)
French (elementary)
German (beginner, learning)

AVAILABILITY

Remote preferred (EU time zones); on-site or hybrid in Barcelona. Open to Senior / Lead engineer or Engineering Manager roles.