

Felipe Cordero



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Summary of Qualifications

- Technical Product Manager / product-oriented engineering leader: **6+ years** in cross-functional, Agile-informed delivery (Scrum software teams, internal engineering platforms, BIM and large-project coordination) owning **user stories, acceptance criteria**, backlog alignment, release planning, and sprint goals—Scrum ceremonies, visible dependencies and risks, burndown and velocity.
- Deep **AEC domain** background: civil/structural engineering (University of Chile), BIM and prefabrication delivery (team lead), and **construction-management software** (full-stack product development)—bridging field workflows, engineering data, and software teams.
- Works with product, design, engineering, and customers to clarify requirements, identify dependencies, remove blockers, and negotiate trade-offs when scope or priorities conflict with strategy or release goals.
- Hands-on with scalable web platforms (Python/FastAPI, React/Next.js, PostgreSQL) and Generative AI/LLM agents in production—enough technical depth to review specs, release notes, and documentation with engineering and to challenge estimates constructively.
- Tracks feature metrics (usage, quality, performance) and makes UX-informed decisions so products stay usable for expert users in complex domains.
- English (C1), French (B2), Spanish (native); distributed teams across time zones; strong analytical skills for requirements, risk, and prioritization under autonomy.

Professional Experience

AI Product Engineer (Full Stack), Fireraven – Montréal, Canada May 2025 – Present

- Own features end-to-end with product and security/compliance: clarify problems, draft and refine **user stories** and **acceptance criteria**, plan work to match the roadmap and sprint goals, and align engineering on scope and done criteria.
- Resolve delivery blockers by re-scoping, proposing technical alternatives, or phasing releases—so release and sprint commitments stay realistic without sacrificing compliance or quality.
- Build full-stack product capabilities (Python/FastAPI, NestJS, React/Next.js, TypeScript) for LLM security, risk, and compliance: APIs, workflows, and UIs that turn policy and audit needs into production-ready software, replacing manual compliance workflows.
- Contribute to documentation consumed by customers and internal teams (user-facing specs, release notes, technical notes) so launches are traceable and supportable.
- Use defects, latency, and adoption data to prioritize the backlog and follow up after releases; participate in Agile events with globally distributed teams.
- Apply Generative AI/LLM tooling (serving, LLM pipelines, agents) in production contexts—technical literacy that supports realistic roadmaps and crisp stories for AI-heavy features.

Senior Software Developer (product-facing delivery), ObraLink – Remotely (Chile) Aug. 2023 – May 2025

- Delivered features for a **construction project management** platform: translated field and operations needs into **user stories** and **acceptance criteria**, negotiated scope with stakeholders, and shipped full-stack increments (FastAPI, React, PostgreSQL) aligned with release plans.
- Built dashboards, real-time visualization, and 3D-linked workflows, improving visibility into project progress and documentation-heavy processes for non-technical users and reducing reliance on manual reporting.
- Integrated ML-driven analytics into existing products via stable APIs and data contracts—partnering across disciplines so model outputs were explainable, testable, and supportable in production.
- Drove engineering quality through TDD, integration tests, and code review; coordinated timelines with product and delivery peers to hit milestones without silent scope creep.

Technical Team Lead (BIM / delivery), Tensacon – Santiago, Chile Mar. 2022 – July 2023

- Led BIM coordination for fast-track **AEC** projects: owned work packages, dependencies, and handoffs between disciplines—directly relevant to fragmented workflows, RFIs/submittal-style pressure, and accountability in large builds.
- Delivered major prefabrication and infrastructure work (e.g., CODELCO facilities, Pan American Games venues) on schedule and budget by prioritizing critical path items and resolving cross-team conflicts early.

- Standardized workflows and automation to reduce rework and documentation gaps—experience translating messy real-world construction process into repeatable operating procedures.

Structural Engineering Team Lead and R&D Coordinator, Sirve Engineering – Mar. 2019 – Mar. 2022
Santiago, Chile

- Prioritized R&D investments and internal “product” roadmap for calculation tools: gathered requirements from structural engineers, defined measurable outcomes, and shipped Python-based tooling that cut initial sizing time by 75%.
- Ran multi-project portfolio (~20,000 m² high-rise schemes): planning, resource trade-offs, and stakeholder updates—classic project-management fundamentals in a regulated engineering environment.
- Automated repetitive analysis and reporting (Python, shell), freeing senior engineers for judgment-heavy work—parallel to removing operational friction in software product teams.

Structural Engineer, Various Engineering Firms – Santiago, Chile 2010 – 2018

- Designed seismic-resistant structures for multiple engineering firms, focusing on custom solutions and compliance with building codes and safety regulations.
- Developed custom calculation tools and automation scripts to streamline structural analysis and design processes, improving efficiency and accuracy.
- Mentored junior engineers, providing technical guidance and training on structural engineering principles, design methodologies, and best practices.

Education

Collège LaSalle Montréal , AEC: Artificial Intelligence and Machine Learning	Sept 2023 – July 2025
University of Chile , Bachelor’s Degree in Civil Engineering	2004 – 2011

Achievements

Academic Excellence Scholarship , Collège LaSalle Montréal – Sponsored by Air Canada	2025
Outstanding Student , University of Chile – School of Engineering and Sciences	2009

Skills & Knowledge

Product management / Agile delivery: User stories and acceptance criteria; backlog prioritization and refinement; story mapping; sprint planning and release coordination; impediment removal and scope trade-offs; roadmap communication to engineering; stakeholder interviews and requirement clarification; KPI/usage/quality thinking for features; documentation review (functional notes, release communications).

AEC & construction domain: Structural design and codes; BIM coordination; prefabrication and large-project delivery; construction-management software context (scheduling, documentation, multi-stakeholder jobsites).

Python & Backend: Python (12+ years), FastAPI, NestJS, RESTful APIs, async services, OOP, pytest, Linux/Unix, shell scripting, microservices.

React & Frontend: React (3+ years), Next.js, TypeScript, component architecture, Jest, responsive UI.

Database & Data: PostgreSQL, MySQL, MongoDB, SQL optimization, schema design, SQLAlchemy/ORM patterns.

AI & GenAI: LLM agents, RAG, AI compliance patterns, LLM serving (BentoML, vLLM, Ollama), LangChain, HuggingFace.

DevOps & quality: Docker, Git, CI/CD, GCP, Scrum events, TDD, code review, automated tests.

Languages: English (IELTS C1), French (TCF B2), Spanish (Native).