

# PABLO THOMAS LANDEROS MENA

Software Engineer · Full-Stack Developer · Software Architecture, Design & AI  
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## PROFESSIONAL SUMMARY

Software Engineer with 9+ years of experience in full-stack development, IT infrastructure, technical leadership and software project management under agile methodologies, with sound judgment for scoping, effort estimation and balancing technical debt against business deadlines. Founder of Nagotar Technologies, with 10+ systems running in real production environments. Certified AI specialist with Claude (Anthropic): automation, AI agents, Model Context Protocol (MCP) and Claude Code. Works under a Spec-Driven Development methodology and designs advanced, context-aware architectures, with proven experience integrating AI at enterprise scale — cutting operational time and improving business decision-making.

## TECHNICAL SKILLS

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|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Architecture & Methodology | Spec-Driven Development, advanced and context-aware architecture, context engineering, software engineering, agile methodologies (Scrum / Kanban), technical project leadership, estimation and prioritization, scalable system design |
| Application Design         | UI/UX, design systems, wireframing and prototyping (Figma, Penpot), responsive and accessible design, AI-assisted prototyping (Skills, MCP, subagents in loop)                                                                         |
| API Design                 | Contract-first REST APIs, resource modeling, versioning, OpenAPI documentation, authentication and error handling, integration contracts                                                                                               |
| AI & Agents                | Claude AI, Claude Code, MCP, Skills, Subagents, AI automation                                                                                                                                                                          |
| Frontend                   | React, Next.js, TypeScript, Astro, Three.js, Tailwind CSS, GSAP                                                                                                                                                                        |
| Backend & Data             | Node.js, PostgreSQL, MySQL, REST APIs, Role-based authentication                                                                                                                                                                       |
| Infrastructure             | Linux, Docker, cPanel, VMware, XenServer, OpenBSD, Asterisk IP                                                                                                                                                                         |
| Cybersecurity              | Kali Linux, Parrot OS, nmap, Vulnerability assessment                                                                                                                                                                                  |
| Tools                      | Power BI, GitHub, CCTV / NVR, DVR, Tier 1 and Tier 2 support                                                                                                                                                                           |

## PROFESSIONAL EXPERIENCE

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| <b>Compass Security — Head of IT</b><br><i>Temuco / Santiago / Calama, Chile</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Mar. 2025 – Present   |
| <ul style="list-style-type: none"><li>Lead the IT department nationwide across three cities: project planning, backlog prioritization and delivery coordination through iterative cycles.</li><li>Build custom internal applications for business operations and control.</li><li>Integrated AI (Claude) to optimize public tender processing: tender analysis cut from 10 days to minutes, with automated profitability assessment.</li><li>Designed context-aware architecture for AI agents: defining context boundaries and sources of truth to ensure consistent output in live operation.</li><li>Delivered a critical infrastructure migration in record time with zero service downtime (May 2025).</li></ul>                                                                                                                                                                                           |                       |
| <b>Nagotar Technologies — Founder &amp; Full-Stack Developer</b><br><i>La Araucanía, Chile</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Jan. 2024 – Present   |
| <ul style="list-style-type: none"><li>Custom software development with 10+ systems running in real production.</li><li>Spec-Driven Development methodology: functional and technical specification written upfront as the development contract, reducing rework and ambiguous iterations.</li><li>End-to-end project leadership: requirements gathering with the client, scope definition, short iterations with validated deliveries, and production rollout.</li><li>End-to-end application design: wireframes and prototypes (Figma / Penpot), architecture definition and contract-first REST API design, enabling frontend and backend to be built in parallel against a stable specification.</li><li>Full stack: Next.js / React (frontend), Node.js / PostgreSQL (backend), Linux (infrastructure).</li><li>IT consulting: assessment, technology recommendation and solution implementation.</li></ul> |                       |
| <b>Opensystem SpA — IT Technician</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Jan. 2024 – Dec. 2024 |
| <ul style="list-style-type: none"><li>Hosting and cPanel administration, IP telephony (Asterisk), IP CCTV.</li><li>Custom application development and Tier 1 / Tier 2 technical support.</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                       |
| <b>GST Soluciones — Regional Technical Lead, Tarapacá Region</b><br><i>Iquique, Chile</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Jan. 2019 – Dec. 2021 |
| <ul style="list-style-type: none"><li>Regional technical and operational supervision; support for Banco de Chile, Coopeuch and Entel.</li><li>CCTV project for Caja Los Héroes; remote and on-site Tier 1 / Tier 2 support.</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                       |

ARTIFICIAL INTELLIGENCE CERTIFICATIONS

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|----------------------------------------------------------------------------------|------|
| <b>Claude Fundamentals — Anthropic</b>                                           | 2025 |
| AI fundamentals, advanced prompting and effective use of language models.        |      |
| <b>Claude Developer / API — Anthropic</b>                                        | 2025 |
| Claude integration via API, tool use, structured calls and AI pipelines.         |      |
| <b>Claude Code — Anthropic</b>                                                   | 2025 |
| AI-assisted development, code generation and review with Claude agents.          |      |
| <b>Claude Skills &amp; MCP — Anthropic</b>                                       | 2025 |
| Building skills, subagents and Model Context Protocol for enterprise automation. |      |

PRODUCTION PROJECTS

|                                     |                                  |                                                                                 |
|-------------------------------------|----------------------------------|---------------------------------------------------------------------------------|
| <b>Restaurant Management System</b> | <i>massagosushi.cl</i>           | Platform with Admin / Vendor / Customer roles. Next.js, PostgreSQL.             |
| <b>ADAM Training Center</b>         | <i>adam.cl</i>                   | Education portal with authentication, course catalog and documentation.         |
| <b>Hybrid Point of Sale</b>         | <i>punto-venta-xi.vercel.app</i> | POS with Admin / Cashier roles for restaurants and retail. Next.js, PostgreSQL. |
| <b>Fornace Pizzeria</b>             | <i>fornace.cl</i>                | Online pizza configurator, ordering and digital menu in production.             |
| <b>Solar System AR</b>              | <i>nagotartech.tech</i>          | Gesture-based augmented reality for education. Astro, Three.js, MediaPipe.      |

KEY ACHIEVEMENTS

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |           |
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| <b>AI Integration for Public Tenders</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Jun. 2026 |
| <ul style="list-style-type: none"><li>Designed and deployed Claude agents for public tender analysis: time to fully understand a tender document dropped from 10 days to minutes (over 95% reduction).</li><li>Reshaped the work cycle: the reading and comprehension phase went from 50% to 30% of the process, freeing up 40% more time for building the commercial proposal.</li><li>Automated detection of logical and semantic inconsistencies in tender documents — unfeasible to catch manually within the available deadlines — plus a percentage estimate of the likelihood that terms would be amended, resulting in zero documentation errors across submissions.</li><li>Historical award-data analysis revealed that winning bidders priced at roughly 90% of the available budget, competing within the final 10% band. Realigning bid strategy to that range moved the company from 9th–10th place to 3rd–4th in award rankings.</li></ul> |           |
| <b>Critical Infrastructure Migration</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | May 2025  |
| <ul style="list-style-type: none"><li>Migrated complex enterprise infrastructure at Compass Security with no service interruption.</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |           |

EDUCATION

|                                                                |                |
|----------------------------------------------------------------|----------------|
| <b>B.Eng. in Computer Science (in progress)</b>                | 2024 – Present |
| <i>Instituto Profesional IACC Online</i>                       |                |
| <b>Associate Degree in Computer Science</b>                    | 2015 – 2018    |
| <i>Universidad Arturo Prat</i>                                 |                |
| <b>Specialization courses (cybersecurity, development, AI)</b> | Ongoing        |
| <i>Udemy</i>                                                   |                |

LANGUAGES

**Spanish** — Native · **English** — Technical (documentation, specifications and code)