Roberto Aguirre Guardia

Agentic Software Engineer · Runs a multi agent delivery workflow (OpenAI Codex + Claude Code) where AI generates the majority of implementation and I keep architectural oversight · Context engineering, AI friendly specs and human in the loop verification · Full stack (React, Node, TypeScript) · English C1

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SUMMARY

Agentic software engineer who ships production software where AI generates the majority of the implementation code. Runs a **multi agent delivery workflow** using **OpenAI Codex and Claude Code**: Codex drives AI implementation across a **large, multi file system** (Agent Squad) while I keep **architectural oversight** and own verification. Strong **context engineering**: I structure codebases, specifications and documentation, and translate complex requirements into **machine executable, AI friendly specs** (explicit acceptance criteria and tribal context inline) for reliable, context efficient AI output. Design **AI first workflows from spec through deployment**, and improve AI output through structured iteration and feedback loops. Disciplined **human in the loop review** with risk adjusted validation for high impact flows (shadow mode, evidence based verification). Works across **frontend, backend and infrastructure** with CI/CD. 15+ years in software, with extreme ownership. Under his leadership, **DigitalHubAssist** reached **Registered Partner status in Anthropic's partner program**. Spanish native, English C1.

EXPERIENCE

Head of AI, Innovation & Product · **DigitalHubAssist** — Oct 2024 · Present

United States (LLC) · Remote · AI first engineering · Anthropic partner program

- **Delivers production software where AI writes most of the implementation**: a **multi agent workflow** with **OpenAI Codex** (implementation across the codebase) and Claude Code (orchestration), on a large, multi file system (Agent Squad), while I own **architecture, context engineering and verification**.
- **Context engineering and AI friendly specs**: structures the codebase, writes machine executable specifications with explicit acceptance criteria and inline context, and runs **structured iteration and feedback loops** to improve AI output reliably.
- **Human in the loop and CI/CD**: risk adjusted validation for high impact flows (shadow mode, evidence based verification), observability (LangFuse, Arize Phoenix). Under his leadership, **DigitalHubAssist** reached **Registered Partner status in Anthropic's partner program**.

Engineering & Delivery Lead · **NTT DATA** — Apr 2021 · Oct 2024

Multinational (GSI Tier 1) · Financial services

- Delivered **large, complex systems** in banking (CrediCore, digital credit origination) to production with cross functional teams (developers, QA), under **Agile/Scrum**, with integration to enterprise systems and a focus on quality and ownership.

Full Stack Developer to Delivery Lead · **VASS · GlobalHitss · Tecnocom** — 2012 · 2021

Banking · Insurance · Health · Public sector

- Built and delivered **web platforms and transactional portals** across frontend and backend (Porvenir, **LATAMDIGITAL 2019 award**), with integration to core systems and migration to the cloud (Azure).

SKILLS

AI first engineering: OpenAI Codex and Claude Code agentic workflows, AI generating the majority of implementation code with architectural oversight, context engineering (codebase structure, specs, docs), machine executable and AI friendly specifications, structured iteration and feedback loops

Quality & delivery: human in the loop review, risk adjusted validation for high impact and safety critical flows, evidence based verification, shadow mode, observability (LangFuse, Arize Phoenix), CI/CD

Full stack & systems: React, Node.js, TypeScript, REST APIs and microservices, PostgreSQL, Docker, cloud (Azure); large, complex multi file systems; frontend, backend and infrastructure

Ways of working: Agile / Scrum and Lean, team ceremonies and async work, extreme ownership, forensic attention to detail, curiosity for emerging AI native practices

Experience & languages: 15+ years in software (banking, financial, enterprise), Systems Engineering (U. de Lima) + MBA (Tec de Monterrey) · Spanish native · English C1