

Pablo Díaz-Jorge García

Software Engineer & AI Engineer | AI agents, MCP and agent evaluation | Frontend architecture with Angular and TypeScript
Valencia, Spain - pablodiazjorge.com - github.com/pablodiazjorge - linkedin.com/in/pablodiazjorge

Software engineer focused on **architecture**, thoughtful design and sound engineering practices. I build scalable, accessible web applications with Angular, TypeScript, Signals and RxJS, and I apply **AI engineering** to development: I bring AI agents and MCP into the workflow and measure with data what they add. Contributor to rea (9 merged pull requests) and author of open-source projects with public deployments and automated tests. Expanding into backend and databases with Node.js, Java and PostgreSQL.

TECHNICAL SKILLS

Frontend: Angular (16 → 22), TypeScript, Signals, RxJS, Web Components, SSR, web accessibility, Tailwind CSS, SCSS

AI Engineering: AI agents, Model Context Protocol (MCP), Claude Code (mods, skills and hooks), agent evaluation

Backend & Tooling: Node.js, Express, Java, Spring Boot, PostgreSQL, pgvector, Docker, Vitest, GitHub Actions, Scrum

PROFESSIONAL EXPERIENCE

Frontend Engineer

Infoport, Sept 2025 - Present

- Design and development of accessible, scalable interfaces for the port logistics sector using Angular, TypeScript, Signals, and RxJS.
- Integration of AI coding assistants and MCP into the team workflow to speed up refactoring, code review and testing.
- Reusable components with SCSS and custom libraries, in an agile Scrum team alongside analysts and backend developers.

AI Engineer (open source)

Own projects, Jan 2026 - Present

- Contributor to **rea**, an open-source agent toolkit for reverse engineering with more than 300,000 stars (Oct 2026): [9 merged pull requests](#) on the Ghidra verification, the Claude Code and Gemini CLI client checks and MCP tests on Windows, NativeAOT documentation, Solidity and HAR decoding and Windows test paths (Node.js and TypeScript).
- **rea-lab**: TypeScript benchmark and five preregistered studies (482 Claude Code runs), graded with no LLM as judge and analysed with Wilson intervals and McNemar tests; result: rea did not improve the solve rate and doubled the cost.
- Published Claude Code mods (**rea-casebook**, **impact-radius**) with CI on Windows, macOS and Ubuntu; **prompt-forge**, **Candle AI**, **TestMaker** and **gym-log**, built with agents.

Independent Software Engineer - AI & Frontend R&D

Jul 2023 - Sept 2025

- Researched and prototyped 4 open-source solutions between frontend architecture and AI engineering: **Token Cost Analyzer** (tiktoken in WASM, D3.js, Angular 19), **Cognitive Agent Orchestrator** (ReAct agents, SSE, Node.js, Ollama), **Semantic Search Engine** (Java 21, Spring Boot, PostgreSQL, pgvector, Angular 17) and **Attention Matrix Explorer** (D3.js, Web Workers, Angular 16).

Full Stack Developer (internship)

NTT DATA, Mar 2022 - Jul 2022

- End-to-end personnel management system with Angular and Java (Spring Boot): REST services and data visualization.

Data Analyst (internship)

Sothis, Mar 2018 - Jun 2018

- Database analysis and design for corporate compensation plans (MySQL, Power BI).

FEATURED PROJECTS

- **rea-lab**: public lab for reverse engineering with AI agents: reproducible environment, seeded challenges with known answers and five preregistered studies. github.com/pablodiazjorge/rea-lab
- **Candle AI**: technical analysis dashboard: deterministic confluence engine with log-odds scoring (naive Bayes style, hand-set weights, uncalibrated), Angular 22, Pine Script v5 and 160 tests (Vitest). candle-ai.pablodiazjorge.com
- **TestMaker**: personal exam platform with encrypted question banks (AES-256) and credential-based access, Angular 21, serverless API, PDF export and 89 unit tests (Vitest). test-maker.pablodiazjorge.com
- **Portfolio** (Apr 2025 → present): SSR and prerendering with @angular/ssr in English and Spanish; CLS from 0.86 to 0.07. pablodiazjorge.com

EDUCATION

Bachelor's Degree in Computer Science

UPV, 2018 to 2023

Higher Technician in Multiplatform App Development

CIPFP Chestre, 2016 to 2018

CERTIFICATIONS, COURSES & LANGUAGES

- **Scrum Master Professional (SMPC)**, CertiProf, June 2026
- **Claude Code in Action** (course), Anthropic, January 2026
- **Languages**: Spanish and Valencian (native), English (full professional proficiency)