Ariel Hechavarría Jardines

Senior Software Engineer · Full Stack (PHP/Symfony · Angular · Python) · Applied AI

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linkedin.com/in/ariel-hechavarria-jardines · github.com/arielhechavaria · Production product: guani.app
Portfolio: arielhj.duckdns.org

PROFESSIONAL SUMMARY

Full stack engineer with 13+ years building web applications for enterprise, government and critical-service clients. Strong in PHP (Symfony, Laravel, Yii, Zend), Angular (NgRx, RxJS) and PostgreSQL/PostGIS, with measurable performance gains (APIs up to 40% faster) and reduced technical debt. Since 2026 I design and run Guani, a Python/FastAPI price-intelligence system in production that extracts data from WhatsApp ads with LLMs (Anthropic API) and human review. I work with an agentic development workflow (Claude Code) that lets me ship complete systems as a solo developer.

SKILLS

- **Backend:** PHP (Symfony, Laravel, Yii, Zend), Python (FastAPI, Alembic), Node.js, TypeScript, Java
- **Frontend:** Angular, NgRx, RxJS, Vue.js, React, HTMX + Jinja2, ExtJS · **Mobile:** Android (Kotlin, Jetpack Compose)
- **Data:** PostgreSQL, PostGIS, MySQL, MongoDB; query optimization and indexing · **GIS:** OpenLayers, CartoWeb
- **AI:** LLM integration (Anthropic API) for structured extraction, human-in-the-loop pipelines, agentic development with Claude Code (spec-driven workflow, MCP), WhatsApp automation (WAHA)
- **DevOps:** Linux, Docker, systemd, CI/CD, Git, GitHub, GitLab

PROFESSIONAL EXPERIENCE

Founder & Lead Engineer — Guani (Leira Studio) 2026 – Present · Remote

- Designed, built and run guani.app: it turns ads from 48 WhatsApp groups and channels into reference prices per product and province, with every figure traceable to its source ads.
- Built the ingestion pipeline: message filtering (83% discarded), LLM extraction of product, price, currency, quantity and province, unit normalization and CUP conversion.
- Implemented a human-in-the-loop flow (auto-accept, review queue and audit): 7,223 messages processed, 783 ads accepted and 770 prices published as of October 2026.
- Public statistical methodology (median, range, outlier removal) and open CSV data. Stack: Python, FastAPI, PostgreSQL, HTMX, WAHA on Docker and systemd on a VPS. 960+ commits.

Full Stack Developer — Motorflash Solutions May 2024 – Feb 2026 · Remote

- Extended and maintained a large-scale CRM for car dealerships with PHP, Symfony and JavaScript in a multi-module architecture.
- Reduced technical debt by about 30% by refactoring legacy modules and decoupling components.
- Optimized SQL queries and indexes: API responses up to 40% faster on the highest-traffic endpoints.

Full Stack Developer — First Due Oct 2023 – May 2024 · Remote

- End-to-end delivery of modules for mission-critical emergency services platforms: migrations, schema design, Yii backend, Vue.js components and deployment.

Frontend Engineer (Angular) — Ingenius Software Jan 2023 – Aug 2023 · Cuba

- Angular applications for government and institutional clients; designed NgRx solutions that became the team standard for large modules.

Systems Analyst & Developer (Angular) — DATYS 2019 – 2023 · Santiago de Cuba

- Angular interfaces with Material Design for modular enterprise platforms in a Scrum team, integrated with REST APIs and Node.js services.
- Visualizations with amCharts; took part in projects with a Scala backend and Docker-standardized environments.

Systems Analyst & Developer (Full Stack GIS) — XETID Sep 2013 – Sep 2018 · Havana

- Full stack modules of a corporate Geographic Information System: backend with Zend Framework, PostgreSQL and PostGIS, and REST APIs for the main product.
- Map interfaces with ExtJS, CartoWeb and OpenLayers for spatial visualization and analysis.

PERSONAL PROJECTS

- **Rodrigo**: offline Android app of educational games for 4-year-olds (15 worlds, parents area with a daily limit). Kotlin and Jetpack Compose.
- **Educa a tu Hijo**: offline Android app guiding 10 minutes a day of activities with children aged 4 to 6, based on the MINED Early Childhood workbooks.

EDUCATION, CERTIFICATIONS & LANGUAGES

B.Sc. in Computer Science Engineering — University of Computer Sciences (UCI), Havana · 2008 – 2013

HackerRank: Angular, JavaScript and SQL (Intermediate) · LinkedIn Skill Assessments: PHP, Angular, JavaScript, SQL, CSS, Git, MySQL

Languages: Spanish (native) · English (B2)