IGNACIO BECERRA MAS ROCA

SOFTWARE DEVELOPMENT | ARTIFICIAL INTELLIGENCE | AUTOMATION | PRODUCTS & COMMUNITIES

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Portfolio | LinkedIn | GitHub | SideQuest

PROFESSIONAL PROFILE

Final-year Computer Engineering student and Electronics Technician. I build web applications, microservices, and geospatial tools for industrial logistics, while independently shipping applied AI products, automations, and digital experiences. My skill set spans C#/.NET, Python, TypeScript, Next.js, PyTorch, and API integrations. I combine hands-on engineering with end-to-end ownership of technical initiatives, including user acquisition, sponsorships, and live event execution. Selected as a Crecimiento AI Fellow.

SELECTED IMPACT

2nd place, Aleph Hackathon #6 WDK Track (NanaWallet) • SideQuest: 736 registrations and 12 sponsorships • CYBER.AR: 100 attendees and 4 sponsors • 5+ automation clients • Crecimiento AI Fellow (1 of 5)

PROFESSIONAL EXPERIENCE & LEADERSHIP

Software Developer (Internship) | EXOLGAN S.A.
Feb 2026 – Present

- Develop internal applications for container-terminal operations, including web interfaces, geospatial tools, and operational business rules using C#/.NET, Blazor WebAssembly, and Azure Maps.
- Contribute to microservices and IoT systems supporting industrial logistics and in-house IT operations.

Co-Founder & Automation Developer | TALENTO-IA
May 2025 – Present

- Design and deliver AI-agent workflows and process automation using Python, n8n, Make, and API integrations for more than five business clients.
- Reported deployments reduced repetitive work by up to 10 hours per week; supported solution definition and client presentations.

Founder & Sole Organizer | SIDEQUEST — The Anti-Hackathon
Jul 2026 – Present

- Founded and delivered four developer/builder event editions, reaching 736 approved registrations and 12 sponsorships; per-edition registrations grew from 151 to 221.
- Owned positioning, branding, community acquisition, social content, sponsor outreach, partnerships, digital experience, onboarding, production, and live hosting.
- Built interactive event sites and public voting tools; created generative content using APIs including fal.ai; secured official Buenos Aires TecWeek 2026 side-event recognition.

Lead Organizer & Host | CYBER.AR 2026 — Cybersecurity Hackathon
Sep 2026

- Conceived, proposed, independently organized and hosted the first Argentine Army hackathon: 100 participants and four sponsors.
- Managed recruiting, partner and sponsor outreach, judge coordination, programming, logistics, and event communications.

Founder & Host | STARTUP READING CLUB
Sep 2026 – Present

- Created and hosted two in-person reading and discussion meetups for founders, developers, and startup enthusiasts.

SELECTED TECHNICAL PROJECTS

NanaWallet | *2nd Place, Aleph Hackathon #6 · Web3 / Accessibility* **Project**
Team-built agentic wallet for older adults and people with reduced mobility. Voice-first financial interactions: an AI agent interprets requests and prepares transactions for user confirmation and execution. Runner-up in the WDK Track.
AI agents · Voice UI · Tether WDK · Web3

ProtML | *Aleph Hackathon #5 (2026) · ML* **Project**
Antimicrobial peptide discovery engine combining ESM-2 embeddings, classification, candidate generation, and multi-objective ranking. Project snapshot: 530 curated sequences and 81 scored candidates.
Python · ESM-2 · PyTorch · scikit-learn · Next.js

Querencia | *Aleph Hackathon #5 (2026) · Animal Health* **Project**
Veterinary disease surveillance platform with confidential reporting, regional views, and outbreak intelligence; previous H3/geospatial logistic-regression experiment achieved ROC-AUC 0.8044.
Next.js · TypeScript · Supabase · H3

AgroShield | *Aleph Hackathon #5 (2026) · Agricultural AI* **Project**
Exploration of antimicrobial peptide discovery for crop protection, with computational screening and protein representation models.
Python · ESM-2 · PyTorch · Node.js

ClaudeMart | *Deployed demo · Web Platform* **Project**
Marketplace for Claude Code agents, skills, plugins, and extension packs, supporting discovery, authentication, and distribution.
Next.js · TypeScript · Supabase · Tailwind

Pendant | *HackaTwin 2026 · Working Prototype*
Context-aware Android assistant that transcribes conversations, identifies actionable context, and triggers agent actions across connected services.
Android · Groq · AI agents · APIs

PetriMCP | *Vercel Zero to Agent 2026 · MCP / UX* **Project**
MCP server for evolutionary A/B website experimentation: AI agents propose UI variants while enforcing brand constraints. Includes deterministic multi-generation simulation and comparison of results.
MCP · AI Agents · A/B Testing · Vercel

Proyecto Centenario | *Final-year project · Agent Design*
Designed AI-agent infrastructure for the Centenario modernization initiative at Facultad de Ingeniería del Ejército.
AI agents · Software architecture · Information retrieval

ADDITIONAL PROJECTS & EXPERIMENTS

Perito — Narrative-based audio guide platform with geolocation and maps; Next.js, MapLibre, Howler.js (in progress).
Grain128 — Grain128 stream cipher with Python simulator, interactive web frontend, and physical electronics implementation.
BuildHarbour — Deployed landing page for a software factory: HTML, CSS, ES Modules, Vercel.
PocketTours — Earlier audio-guide concept with a planned POI catalog, offline features, and usage analytics.
Rayuela — Branching interactive-fiction engine using React, Express, and Vite (work in progress).
ClaudeKids — Natural-language AI game creation for children using Next.js, Phaser 3, and Anthropic SDK (work in progress).
EngineAI — Visual coding environment with Blockly and Phaser for game creation (work in progress).
CoStudent — Chrome extension with text-to-speech, synchronized highlighting, and AI study summaries (work in progress).
RealityCheck — Multi-agent panel that evaluates startup ideas from product, sales, market, finance, and technical angles (work in progress).
Optimus Claude / Claude Follow — Claude Code project tooling and structured human QA for agent outputs (work in progress).
GameWars — Arduino portable game console with audio/video and an object-oriented C++ game engine.
ListaDeComprasBot — Python Telegram bot for collaborative shopping-list management.
Queuing Theory / Fuzzy Logic / Invarianza — Python research exercises in queue simulation, fuzzy recommendations, and algorithm behavior.

AWARDS, TEACHING & CERTIFICATIONS

Aleph Hackathon #6 (2026) — Runner-up (WDK): NanaWallet, accessible voice-first agentic wallet. Tether-backed WDK Track; August 2026.
AI Fellow — Crecimiento: Selected as one of five fellows for an AI-focused support program.
UNCo Programming Olympiad: First place, 2019.
Programming Instruction: Teach Python, C, and C++ to university students.
Cambridge C1 Advanced: English language certification (C1).

TECHNICAL & CROSS-FUNCTIONAL SKILLS

Languages: Python, C#, JavaScript, TypeScript, C, C++, Java, SQL, HTML, CSS, PHP, Lisp.
Web, APIs & data: .NET, Blazor WebAssembly, Next.js, React, Express, FastAPI, REST APIs, Supabase, PostgreSQL, SQL Server, MySQL, Azure Maps, MapLibre, H3.
AI, ML & automation: PyTorch, ESM-2, scikit-learn, AI agents, RAG, LlamaIndex, Ollama, Groq, fal.ai API, n8n, Make, Zapier.
Infrastructure & hardware: Git/GitHub, Docker, Linux, Vercel, Arduino, Siemens PLCs, AutoCAD, SolidWorks.
Product & communication: System prototyping, developer community growth, sponsorships, partnerships, technical content, live events, and public speaking.

EDUCATION

Computer Engineering
Facultad de Ingeniería del Ejército (UNDEF) | 2022 – Present · Fifth year / final project
Electronics Technician — Industrial Automation & Control
Instituto Tecnológico del Comahue | 2014 – 2019

EARLIER EXPERIENCE

Technical Translator | ACRUX Security | 2023
Customer Service & Hospitality | CORIBAR | 2022
Customer Service & Hospitality | Havana 1957, Miami, United States | 2021
IT Intern | O.S.PE.PRI. | 2019

LANGUAGES

Spanish: Native • English: Advanced (Cambridge C1 Advanced)