

Carles Gurdiel

FULL-STACK DEVELOPER · AI & QUANTITATIVE TRADING

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Swiss work permit C — no sponsorship required · EU citizen

PROFILE

19-year-old developer building AI-powered software and algorithmic trading systems. Six months of professional experience shipping production applications, plus a portfolio of self-built finance/AI projects. Strong on clean architecture, testing and clear communication. Trilingual: Spanish (native), German (C1), English (fluent).

TECHNICAL SKILLS

Languages

Python TypeScript JavaScript C# SQL

Web / Full-Stack

React Next.js Node.js REST APIs

Data / AI

pandas NumPy DuckDB SQLite OpenAI / Claude APIs Multi-agent AI

Trading / Finance

MetaTrader 5 Backtesting Risk management ccxt Market-data pipelines

Tools / Ops

Git Docker Linux / VPS systemd Supabase

PROJECTS

Algorithmic Trading Platform [Python](#) · [MetaTrader 5](#)

- Institutional-style multi-strategy system: backtesting engine, risk management (kill-switches, position sizing) and automated VPS deployment.
- 566 passing tests; risk-controlled in backtest (Sharpe ~1.15, max drawdown under 2%).

Prediction-Market Data Pipeline [Python](#) · [DuckDB](#) · [asyncio](#) — github.com/Gurdiel07/polymarket-bot

- Async pipeline ingesting Polymarket data with resumable, checkpointed jobs across three public APIs.

Real-Time On-Chain Monitor [TypeScript](#) · [WebSockets](#) — github.com/Gurdiel07/whale-sniper

- Streams Solana wallet activity in real time with a balance-diff swap parser; strict typing, versioned migrations.

Solana DeFi Liquidation Bot [TypeScript](#) · [Pyth](#) — github.com/Gurdiel07/solana-liquidation-bot

- Scans lending protocols (MarginFi, Solend, Kamino) for under-collateralised positions and builds atomic liquidation transactions with strict risk guards.

EXPERIENCE

Software Engineer (project-based) — A+E Informatik GmbH, Winterthur

Dec 2025 – Apr 2026

- Built and shipped **6 production applications**: full-stack platforms (Next.js, React, TypeScript, Node.js), browser extensions and desktop tools.
- Implemented AI-powered features and local data-processing components.
- Focused on clean architecture, testing and maintainable, practical solutions.

EDUCATION

Bachillerato (Spanish Baccalaureate) — CIDEAD (distance learning)

2025 – 2027 (in progress)

LANGUAGES

Spanish — Native · **German** — C1 · **English** — Fluent (C1)