

HOW I WORK

AI-native development. I design, build and operate production systems through agentic development — Claude Code, extended with agent pipelines I built myself rather than used off the shelf. The work is architecture, specification, evaluation design, debugging and iteration. Four systems are live in production today, each built and owned end to end by one person.

ABOUT

I run live trading systems on real capital and orchestrate coding agents daily — a combination that is uncommon and that shapes how I build. Over the past two years I have shipped a business with no employees where everything after the guest leaves runs unattended, quantitative systems running live across forex, crypto exchanges and on-chain DEXes, and a multi-agent research pipeline that generates, tests and critiques its own hypotheses. Before that, ten years running a business with full P&L ownership, a 20-person team, and daily client and supplier negotiation. I look for work where speed of delivery, ownership of the whole problem, and AI-enabled workflows translate into measurable results.

WHAT I BUILD

Agentic systems & orchestration Multi-agent pipelines with defined inputs, structured outputs and critique loops grounded in objective evaluation rather than model self-assessment	Automation pipelines Process automation with deliberate boundaries — what is worth automating has run unattended for over a year; the rest stays human by design	Rapid prototypes & MVPs Idea to working system in days through agentic development, then iterated against real production usage
Internal tools & dashboards Flask monitoring interfaces and operational tooling built for daily production use, not for demos	Data pipelines & integration REST and WebSocket ingestion, cleaning, validation, reconciliation across sources, structured persistence, pandas analysis	Production trading systems Live on forex (MQL5), Binance Futures and on-chain DEXes — where correctness is enforced by the P&L rather than by a test suite

- EXPERIENCE
- Co-Founder & Technical Lead

Dec 2024 – Present

Snap It Space · Lisbon, Portugal

AI-powered self-portrait photo studio at LX Factory. Conceived, built and run by two founders with no employees, with the entire post-session pipeline operating unattended.

 - Designed and shipped the entire technical stack, from first prototype to a system that has run unattended in production for over a year
 - No employees: everything after the session — processing, quality checks, delivery and scheduled deletion — runs unattended, serving 300+ unique clients with a substantial share returning for repeat sessions
 - Drew the automation boundary deliberately rather than maximally: greeting guests, payment at the venue and separate capture of the delivery email stay human by choice — paying on the spot converts better than prepay, and a delivery address distinct from the booking one keeps photos out of the wrong inbox
 - Built an internal Flask dashboard for live operational monitoring of the pipeline
 - Enforced strict output specifications — naming, formats, folder structure — through automated verification at every processing stage
 - Owned the commercial side alongside the build: pricing, positioning, client experience, and the decisions about what was worth automating next

- Algorithmic Trader & Systems Builder

2017 – Present

Independent · Remote

Building and operating quantitative systems on live capital, through agentic development workflows.

 - Built a multi-agent research system for discovering trading strategies with statistical edge: 8 specialised agents across an 8-phase pipeline, running an autonomous hypothesis → codegen → backtest → critique → iteration loop. The critique step is grounded in walk-forward backtest results rather than model self-assessment — an objective reward signal, which is the part most agentic pipelines lack
 - Currently live: two MQL5 expert advisors on forex accounts, a funding rate system on Binance Futures and, since Sep 2026, an on-chain trading system on Robinhood Chain — live behaviour tracked against the model
 - Built a funding rate system across 100+ perpetual pairs: continuous multi-venue collection normalised into a queryable structure, with rate-limit handling and cross-source reconciliation. The first design hit a sub-millisecond latency wall, so I reframed the problem and rebuilt it to work within retail-grade infrastructure rather than buying past the constraint
 - Python systems for pattern recognition, FVG detection and HMM regime classification, run on live capital and then taken offline for rework — iterating on what production showed rather than what backtests promised
 - Deep crypto ecosystem background: perpetual futures, DeFi (Hyperliquid, Lighter, Uniswap v4), exchange APIs, market microstructure

Premium Automotive Service Center · Moscow, Russia

Built and scaled a BMW/Mercedes specialist repair business from a 400 m² warehouse to a 1,000+ m² operation. Exited in 2023 before relocating to Portugal.

- Grew the team to 20+ employees and annual revenue to ₺30M (~\$400K) through service expansion and client retention
- Owned all P&L, equipment investment, supplier negotiation and crisis management — a decade of translating technical complexity into terms clients and staff could act on

Engineer — Oil & Gas

2008 – 2013

Swagelok / Certification Consulting · Moscow, Russia

- Technical consultation, compliance audits and certification decisions for industrial clients — detail-critical work measured against exact regulatory specifications

KEY PROJECTS

On-Chain Trading System — Robinhood Chain

Python · asyncio · httpx · JSON-RPC + WebSocket · eth-abi / eth-account · Uniswap v4 · SQLite · systemd · Oracle Cloud

- Chain-log ingestion from an EVM L2 (bonding curve, Uniswap v4) into a ~9 GB dataset; data from Blockscout, GeckoTerminal, DexScreener
- Live on own capital: execution on the curve and on Uniswap v4 (Universal Router + Permit2), with gas and loss caps and paper mode enforced at the client
- Built in two weeks through Claude Code from written specs: ~250 commits, 600+ tests. I own architecture, specs and review; agents write the code

Multi-Agent Research System

Claude Code · custom agent pipelines · Python · 8-agent orchestration

- 8 specialised agents across an 8-phase strategy discovery pipeline, each with defined inputs and structured output formats
- Autonomous loop: hypothesis → codegen → backtest → critique → iteration, with critique grounded in an objective evaluation function

Snap It Space Automation Stack

Python · Flask · AI pipeline · CloudFlare · Framer

- Capture → AI retouching → validation → cloud upload → personalised delivery link → scheduled GDPR deletion, unattended
- Internal Flask dashboard for live monitoring of every stage of the pipeline

Funding Rate System

Python · asyncio · pandas · Binance Futures API

- Continuous collection and signal generation across 100+ perpetual pairs, normalised into a queryable structure
- Latency constraint solved by changing the approach, not the hardware — live in production

SQL Expert Advisors — Forex

SQL · MetaTrader 5 · strategy tester · walk-forward analysis

- Two advisors running live, developed through extensive strategy research and optimisation
- Running on real capital — correctness is enforced by the P&L, not by a test suite

TECHNICAL SKILLS

AGENTIC DEVELOPMENT Claude Code, Claude API, custom agent pipelines, multi-agent orchestration, MCP, advanced prompting, specification and evaluation design	LANGUAGES Python (primary), SQL, SQL/SQL, Pine Script, JavaScript, HTML/CSS	DATA & INTEGRATION pandas, NumPy, asyncio, REST & WebSocket APIs, rate-limit handling, multi-source reconciliation, data cleaning & validation, SQL/SQLite, CSV/JSON pipelines	TOOLS & INTERFACES Flask dashboards, monitoring interfaces, matplotlib, automated reporting, scheduled jobs
INFRASTRUCTURE Oracle Cloud, AWS Lightsail, Ubuntu, SSH, systemd, Supervisor, Git/GitHub, venv, structlog, CloudFlare	ON-CHAIN & DEFI EVM JSON-RPC & WebSocket, log decoding, tx signing, Uniswap v4, bonding curves · Robinhood Chain, Base	DELIVERY & OWNERSHIP P&L ownership, stakeholder communication, client-facing negotiation, scoping and prioritisation under ambiguity	LANGUAGES SPOKEN English (fluent) · Russian (native) · Portuguese (elementary)

EDUCATION

2008

Bachelor of Engineering, Oil & Gas Systems

Gubkin Russian State University of Oil and Gas, Moscow
Specialisation: Design, Construction & Operation of Oil Product Supply Systems

Continuous self-directed study: algorithmic trading and quantitative methods (2017–present); agentic development and evaluation design with Claude Code and custom agent pipelines (2023–present).