

Chris Stefan

Senior AI Engineer | Production Agentic AI | Remote-Ready | Open to Full-Time & Contract

SUMMARY

AI Engineer with 5 years building production AI at the intersection of artificial intelligence and institutional finance. Lead developer & technical owner of PSP Investments' flagship agentic AI platform: 300 total users, 100 active & recurring, platform showcased at the Databricks Data & AI Summit. Full-stack ownership: architecture, SDK design, UI, onboarding, and stakeholder management across all asset classes. EU citizen with right to work in the EU; no sponsorship required. Seeking senior, lead, or principal roles to build high-impact AI products.

EXPERIENCE

Senior AI Engineer

Alpha Science · PSP Investments · Montreal, QC

Sep 2022 – Present

- Engineered and owned the full stack of PSP's agentic AI platform: architect and designer of system architecture, design documentation, and UI/UX from concept to deployment; feature development, SDK packaging & distribution, PR reviews, and ongoing maintenance; 100+ active analysts in daily workflows, cutting research cycles ~10x and supporting 20–30% broader portfolio coverage.
- Alpha Science SDK:** wraps Databricks (Vector Search, SQL Warehouses, Genie Agents) & OpenAI (Responses + Files API), auto-auth via Databricks CLI & Azure Key Vault. Composable agent/workflow base-class framework, proprietary tracing, inter-agent persistence, pre-built financial utility agents & skills; one-liner to spin up an agent or query a vector index
- Virtual Analyst Platform:** custom chatbot UI with step-level tracing & observability (reasoning trace, web search, RAG retrieval, parallel tool execution, subagents), source traceability, structured data persistence layer with sandboxed analysis & live plotting, long-running workflow launcher & scheduled task subscriptions
- Agile roadmap:** weekly-evolving priorities with rapid integration of bleeding-edge AI developments into production. Each feature independently scoped, designed as an SDK tool, and surfaced through the platform from concept to deployment
- Cost savings:** in-house platform (~\$1M/year all-in: data, infrastructure & engineering) displaces enterprise tooling priced at ~\$20K/analyst/year (e.g., AlphaSense: \$1.2M/year for 60 licenses). At 100+ active users, avoided spend exceeds platform cost and scales with every analyst onboarded
- Leadership:** direct collaboration with C-suite across all asset classes; mentored interns and juniors to ship production features independently; led onboarding for 100+ analysts on the Virtual Analyst Platform; coached Alpha Science SDK users; platform selected for live demo at Databricks Data & AI Summit

Agentic AI RAG Orchestration Azure AI Evals Observability

Analyst

Digital Innovation · PSP Investments · Montreal, QC

Sep 2021 – Aug 2022

- Co-developed **Earnings Prediction Engine** (ML beat/miss pipeline, point-in-time data, Power BI) and quantitative equity strategy for \$8B active portfolio (+125 bps/year); built alt-data pipeline with data profiling, cleaning & feature engineering for equity factor research; delivered POC analyses to drive stakeholder buy-in across asset class teams

Quant Strategy Alt Data ML Pipelines Power BI scikit-learn

Intern

Information Security · PSP Investments · Montreal, QC

May 2021 – Aug 2021

- Enterprise risk framework implementation; automated risk assessment repository updates, improving data currency and reporting efficiency

Cybersecurity Risk Analysis

Business Analyst

Lunch à Porter · Montreal, QC

Jun 2020 – Jun 2021

- SEO & A/B testing drove 2x online conversion rate; inventory analysis for data-informed merchandising decisions

SEO A/B Testing Shopify Lightspeed Analytics

PERSONAL PROJECT

[digithings.ai](https://github.com/digithings-ai) · github.com/digithings-ai

Fully modular multi-agent AI toolkit. LangGraph orchestration, LiteLLM universal LLM wrapper, pluggable RAG backends, built-in evals, Docker deployment, MCP & Open WebUI integration, OpenClaw layer for autonomous agent deployment. Direction: "hedge fund in a box": merging agentic AI with quantitative finance.

LangGraph LiteLLM Docker MCP Open WebUI Azure AI Ollama OpenClaw

CONTACT

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🐙 github.com/chrizefan
🔗 chrizefan.github.io/me
📍 Canada → Relocating to Europe

SKILLS

GEN AI & LLMs

OpenAI API Gemini API Claude API
Hugging Face Prompt Engineering
Vector DBs

AI DEV TOOLS

Cursor Antigravity GitHub Copilot
Claude Code Bolt.new

DATA & CLOUD

Azure GCP Databricks Spark
Delta Lake PostgreSQL SQL
Supabase MLOps CI/CD

PROGRAMMING

Python JavaScript HTML CSS
FastAPI Pydantic REST APIs
SDK Design Git

VISUALIZATION

Plotly Dash Matplotlib ECharts
Mermaid Tableau

QUANT TRADING

QuantConnect IBKR API
Nautilus Trader TA-Lib

DATA

LSEG Worldscope IBES
SEC Filings Broker Research
Transcripts

EDUCATION

McGill University

B.Com Finance & Business Analytics
Desautels · 2019–2022
Montreal, QC

Champlain College

DEC Computer Science & Mathematics
2017–2019 · Honor Roll
Montreal, QC

CERTIFICATIONS

Azure AI Fundamentals

Microsoft · Sep 2023

LANGUAGES

English · Mother tongue
French · Native
Romanian · Native
Spanish · Basic
Italian · Basic