

George Violaris

CTO — AI Systems & Software Engineering

Nicosia, Cyprus

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CTO with 15 years in software engineering. I run technology at Hatchworks VC, where I build AI products — Zeig.ai for financial analysis and Spectre.ai for agent memory. Before that, blockchain and DeFi, gaming platforms, insurance systems and server infrastructure.

Experience

2021 – Present

Chief Technology Officer

Hatchworks VC

- Building **Zeig.ai** — financial analysis through conversation. Multiple LLMs plus vision AI for reading charts and pulling market signals.
- Building **Spectre.ai** — a memory layer for AI agents. Persistent cross-session recall and shared knowledge pools. Plugins for Claude Code and OpenCode.
- Moved from a reinforcement learning trading agent (PPO) to LLM tool-calling when it became clear that got us to product faster.
- Technical direction and mentorship across portfolio companies.

2022 – Present

Technical Advisor

Phoenix (DeFi liquidity provider)

- Advising on blockchain architecture, smart contracts, and protocol design.

2019 – 2021

Technical Lead

SkillGaming

- Full-stack development of a skill-gaming platform. React, Redux, Laravel, Web3.js, Ethers.js.

2014 – 2019

Senior Software Engineer

Trust Insurance Cyprus

- Broker portals and core insurance systems — quotation, policy management, claims. PHP, Java, MySQL, Oracle PL/SQL.

2012 – 2014 · **Software and Systems Engineer**, SMK IdealHost Ltd

Frontend and backend for server/datacenter management. Java, JavaScript, bash, C++.

2008 – 2009 · **Freelance PHP Developer**, Self-employed

Custom websites and intranets.

2007 · **Alarm & CCTV Engineer**, SAPELE Security Systems Ltd

Installation and configuration for commercial and residential clients.

Writing

- "What We Learned Building Agent Memory at Scale" (2025)
- "The Model That Never Made a Trade" (Feb 2026)
- "Software Is Not Dead — It's Evolving" (Feb 2026)

Peer-reviewed Publications

- Violaris C.G., Mavromoustakis X.C. "On the Performance Evaluation and Analysis of the Hybridised BitTorrent Protocol with Partial Mobility Characteristics", AP2PS 2010.
- Charalambous M. et al. "On the Mobility Scenario Implementation Using a Graphical P2P Discrete Event Simulator for the BitTorrent Protocol", J. Algorithms and Computational Technology, 2013.

- Violaris G., Dionysiou I. "Out-of-Band Authentication Model with Hashcash Brute-Force Prevention", IEEE CSS 2014.

Education

MSc Computer Network Security — Middlesex University London (Upper Second Class Honours)

BSc Computer Science — University of Nicosia

Skills

AI: LLMs, Tool-calling, Agent orchestration, Persistent memory, RL (PPO), Qdrant, RAG

LANGUAGES: TypeScript, Python, Go, PHP, Java

FRONTEND: React, Next.js, Vue.js, Laravel, Redux, Web3.js

INFRA: PostgreSQL, MySQL, MongoDB, Redis, Docker

OTHER: Blockchain/DeFi, Git, Neovim, System architecture