

ALEX PAPAGEORGIOU

HEAD OF SECURITY
VP SECURITY

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EDUCATION

Department of Informatics (BSc)
Athens University of Economics and Business,
Greece
2016 - 2020

LANGUAGES

Greek Native
English Bilingual Proficiency

PRIMARY SKILLS



Solidity



Vyper



Rust



Golang



Node.js



TypeScript



Foundry



Yul



Circom



Cairo

SUMMARY

Security leader and founding engineer, eight years across smart contract security, protocol engineering and full-stack delivery. Co-founded Omniscia and served as lead auditor on 550+ engagements covering \$65B+ TVL; Head of Judging at Code4rena through the platform's wind-down in July 2026. Co-author of the official Vyper reentrancy post-mortem (root cause of the \$69.3M Curve Finance exploit) plus three EIPs and three granted IoT security patents, one covering blockchain integration. Seeking Head of Security / VP Security roles; EU-remote or Athens-based.

SELECTED WORK & PUBLICATIONS

Vyper Nonreentrancy Lock Post-Mortem: Co-authored the official Vyper technical post-mortem dissecting the compiler-level storage allocation flaw that rendered reentrancy locks inert, the root cause of the \$69.3M Curve Finance exploit.

EIP-3508 / EIP-3520 / EIP-7512: Sole author of the Transaction Data and Transaction Destination opcode proposals, and co-author of Onchain Representation for Audits alongside Safe, OpenZeppelin and ChainSecurity, with further review and contributions across ongoing EIP discussions.

OpenSea Seaport 1.2, Code4rena: The only warden to surface a [valid finding](#) anywhere in the contest, capturing the entire \$71.5K pool.

Omniscia Audit Reports: Public library of web-based audit reports spanning DeFi, NFT and cross-chain systems, each conducted personally.

PROFESSIONAL EXPERIENCE

CO-FOUNDER & HEAD OF SECURITY

Omniscia / Worldwide / May 22 - Present (4 yrs+)

Co-founded an independent security firm serving clients across the DeFi spectrum, from DEXes and NFTs to cross-chain bridges.

Manage a team of security engineers producing audit reports, holding a rigorous quality and security standard across every codebase reviewed. Review all preliminary and final reports before delivery, act as technical point of contact for clients throughout each engagement, and lead security audits first-hand.

Served as lead auditor on 550+ engagements to date, from single-contract reviews to multi-week protocol audits, covering \$65B+ TVL and 2,500+ high and critical severity findings for clients including Euler Finance, Morpho, Gnosis, Ether.fi and L'Oréal.

HEAD OF JUDGING

Code4rena / United States / Aug 25 - Jul 26 (1 yr)

Owned final rulings across every contest on the platform, arbitrating between judges and sponsors, and authored the grading standards those rulings were made against. Built the internal tooling for triage, dedup and QA that the judging workflow ran on.

Judged 13 contests first-hand and oversaw 20+ as Head of Judging, personally reviewing 3,944+ individual submissions. Retained through the platform's wind-down in July 2026 to see all active contests and engagements through to a proper close.

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PATENTS

Offloaded Sensor Authentication for IoT
[US11134383B2](#) / [FR3101456A1](#)

Pattern-Driven Selective Sensor Authentication
[US11323883B2](#) / [FR3101455B1](#)

Computer Program Trust Assurance for IoT
[US11256492B2](#) / [FR3111228B1](#)

RESEARCH

DPKI: A Blockchain-Based Decentralized Public Key Infrastructure System
Global IoT Summit (GloTS), 2020

AI TOOLING

Built custom MCP servers integrating LLM agents with production tooling (Cascadeur), successfully employed experimental MCP integrations in production projects (Unreal Engine 5.8, Blender). Deployed and operated local inference stacks (ComfyUI, local code generation) on consumer GPU hardware alongside cloud APIs. Applied agentic tooling to production for server migration, secure stack deployment, and general modernization of a variety of projects.

SECONDARY SKILLS



Noir



Bash



Docker



Cloudflare



PostgreSQL



MongoDB



Redis



Fastify

BLOCKCHAIN CONSULTANT

Self-Employed / Athens, Greece / Jan 22 - May 22 (5 mos)

Advised DeFi projects on shaping their development practices and bringing their product visions to production.

Managed client relationships directly and sustained consistent throughput across concurrent projects, optimizing complex code and holding implementations to specification.

Began contributing to the Ethereum ecosystem in this period: authored original EIPs, contributed to other EIP discussions, published independent analysis of security incidents, and built a personal toolkit for working with blockchain projects.

LEAD ENGINEER

Ourovoros.io / Athens, Greece / Jul 21 - Jan 22 (7 mos)

Delivered a combination of security, code optimization and best-of-class blockchain and off-chain software development to clients.

Directly managed development of two projects end to end: a decentralized insurance protocol, and an infrastructure expansion integrating a Thorchain-based DEX implementation into an existing DeFi protocol.

SENIOR SECURITY ENGINEER

CertiK / New York, USA / Apr 20 - Jul 21 (1 yr 4 mos)

Spearheaded CertiK's European smart contract security team for EVM engagements: 6 Solidity auditors, quality control on all delivered material, and first-hand auditing in Solidity and Golang for high-profile DeFi protocols and enterprises.

Built internal tooling that increased audit throughput across the team, contributing to 120% year-over-year growth in the team's pipeline revenue.

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SECONDARY SKILLS (Cont.)



Expo



Claude



MCP



ComfyUI

HOBBIES



Unreal Engine



Blender



Cascadeur



DaVinci Resolve



Raspberry Pi



Railway



Hugging Face

SOFTWARE ENGINEER

Interfima / Luxembourg / Nov 18 - Jun 20 (1 yr 8 mos) / Part-time, concurrent

Developed software for clients digitally transforming their internal operations, shipping both PoCs and full web, mobile and desktop applications.

Served mainly Fintech and Healthcare clients, and built internal tooling for the company where needed. Implemented peer-to-peer protocols for secure data streaming between peers on local networks.

BLOCKCHAIN SPECIALIST

INLECOM / Athens, Greece / Feb 18 - Apr 20 (2 yrs 3 mos) / Full-time

Brought blockchain consulting and development into the company's European-funded project portfolio, and led all blockchain-related in-house initiatives.

Led blockchain integration and development on CHARIOT (Cognitive Heterogeneous Architecture for Industrial IoT), a Horizon 2020 project requiring a Public Key Infrastructure inside a blockchain instance to verify IoT sensors and guarantee data integrity between nodes via cryptographic signatures.

Led blockchain research and innovation on ICONET (ICT infrastructure for Physical Internet Logistics Networks), a Horizon 2020 project investigating blockchain applicability to the Physical Internet; replicating PI network flows on-chain and dynamically generating Ricardian contracts enforced via smart-contract SLAs.

DLT TECHNICIAN

Eriden LLC / Florida, USA / Jul 18 - Apr 19 (10 mos) / Project-based

Joined the financial services development team for a banking institution client, integrating distributed ledger technologies (DLT) into their payment infrastructure to support provisioning and full management of cryptocurrency accounts. Built the software securing those accounts through a multi-party cryptographic protocol implemented in-house.