

Nikos Mavrapidis.

SOFTWARE ENGINEER · SYSTEMS & APPLIED AI

Software engineer with nearly three years of experience across embedded networking, industrial software, and satellite Earth Observation, and co-founder of an AI recruitment startup. Focused on reliable systems, retrieval, and applied AI.

EXPERIENCE

Aug 2026—Present	Software Engineer · Space & Earth Observation · SoftCom International · European space project - Satellite data discovery built on Earth Observation metadata, STAC catalogues, and cloud imagery archives. - Earth Observation training through NASA ARSET.
Oct 2025—Sep 2026	Co-founder · Lope · AI recruitment startup - Built the retrieval stack: hybrid search on Milvus, rank fusion, and RAG with verified citations. - Owned the production architecture: Next.js, TypeScript, PostgreSQL with row-level security, and CI. - In production with recruiting agencies; 98.7% enrichment success across ~3,000 profiles.
Jun 2025—Jul 2026	Software Engineer · Industrial Printing · SoftCom International · Java developer, then test automation - Delivered a backend and front-end module extension and modernised legacy modules. - Led a critical memory-leak investigation from profiling to fix and regression tests. - Built Robot Framework UI and REST automation across four modules; maintained Jenkins and Gradle/Maven builds.
Dec 2023—Jun 2025	Software Engineer · Embedded Linux & Networking · SoftCom International · telecom client - Built carrier-grade embedded Linux networking software in C/C++ on an IP/MPLS routing platform. - Delivered Hitless Software Upgrades, cutting upgrade downtime from hundreds of milliseconds to zero. - Integrated a third-party routing stack; validated control and data planes with Wireshark and Spirent.

SELECTED PROJECTS

Camelia Wellness · Client platform · Full-stack · 2025
Bilingual service and booking platform with SEO and versioned GCP/Cloudflare releases with rollback.
Worthify · 1st Greek AI Hackathon · 2023—2024
Used-car valuation trained on 100,000+ listings: R^2 0.97 and ~6% median error, served through a REST API.
Adaptive Museum Experience · BSc thesis · Computer vision
Context-aware museum prototype driven by browser-based computer vision, evaluated with 13 participants.

SKILLS

AI & retrieval Hybrid search & rank fusion, Vector databases (Milvus), RAG & LLM integration, Reranking, STAC / EO metadata	Systems C/C++ · embedded Linux (Yocto), IP/MPLS, TCP/IP, Java, Python, Bash, SQL, TypeScript, Next.js, React
Testing Robot Framework & Selenium, REST & UI automation, Playwright, VisualVM profiling	Delivery Jenkins / GitLab CI, Gradle, Maven, Artifactory, Docker, PostgreSQL, AWS & GCP

EDUCATION

2017—2022	BSc Informatics & Telecommunications · National and Kapodistrian University of Athens
	240 ECTS · Grade 7.67 / 10 · Thesis

CERTIFICATIONS & TRAINING

AWS Certified AI Practitioner · AWS · 2026
Decoding DevOps (60+ hours) · Udemy · 2026
Cybersecurity Fundamentals · Cyber Defense Architecture · IBM · 2026
Introduction to Cybersecurity · Networking Basics · Networking Devices · Cisco · 2025
Networking Basics and Security · IBM · 2025
MPLS L3VPN · Employer-funded · 2024
Software Engineering Basics for Everyone · IBM · edX · 2023
High-Dimensional Data Analysis · HarvardX · edX · 2023

COMPETITIONS

1st Greek AI Hackathon · ACEin · AUEB · 2024
MobileHCI student volunteer · ACM SIGCHI · 2023
Google Hash Code · Athens hub, NTUA · 2022