Petros Lambropoulos | Independent Systems Consultant

Athens, Greece
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Experience

Independent Systems Consultant · Sep 2024–Present · Athens

Partnering with startups and research teams on agentic architectures, evaluation, and AI-first platforms that survive real-world constraints. - **Scope:** Agentic systems, SaaS architecture, evaluation and reliability, translating AI research into deployable systems. - **Engagements:** Tokenization infrastructure (Hedera/CNO), LLM-powered EIP verification (eth-llm-poc), legal-tech RAG (Dikaio.ai), domain-specific SaaS (Rythm Hoppers), applied ML research (University of Piraeus).

Workable · Senior Software Engineer, NLP Team (2022–2024) · Athens

- Ran Python ML microservices on AWS EKS (Kubernetes/Helm, RabbitMQ/Kafka) handling tens of thousands of resumes per day from a 0.5B corpus, including large-scale backfills.
- Launched job-post, interview-question, and resume-parsing generative AI features; codified evaluation, deployment, and monitoring with product and design.

NannyML · Senior Software Engineer (2021–2022) · Remote

- Produced monthly ML monitoring prototypes with a six-person founding team and research partners to operationalise drift detection and alerting for early customers.
- Containerised Python services on Amazon EKS with Helm, halving onboarding while instilling CI/CD, testing, and observability for the first customer contracts.

Orfium · Senior Backend Engineer (2020–2021) · Athens

- Owned Django/PostgreSQL services on Heroku and kept releases reliable.
- Reduced support load and surfaced actionable analytics through API and observability upgrades.

Encode S.A. · Team Lead - Big Data Engineer (2015–2020) · Athens

- Built a PySpark + Elasticsearch platform processing 100K-user network datasets inside a business day.
- Scaled Python/MySQL flows with multiprocessing + Redis, mentored engineers, and turned threat intelligence into production detection pipelines.

Neuropublic · Python Developer (2014–2015) · Athens

- Built Python services for precision agriculture applications estimating crop outcomes from environmental and nutrient inputs.

Skyscanner · Software Engineering Intern (March 2013 – August 2013) · Edinburgh

- Maintained Python APIs and scraping pipelines supporting ingestion systems during peak travel periods.

Consulting & Engagements

Dikaio.ai (Athens legal-tech startup, 2024): Advised the CTO-in-waiting on a RAG and OpenAI architecture for Greek-law document generation, helping secure the pre-seed funding that launched the company. Brain Metrics Initiative (2022): Directed incident response for a multi-million-request DDoS surge, created Cloudflare mitigations, and wrote the resilience roadmap. Langaware (2021): Demonstrated a BERT-based Boston Theft Challenge prototype to the CEO. Beat (2020): Built a taxi-demand forecasting prototype for Lima to brief the AI/Data team.

Education & Training

MSc in Computer Science, University of Edinburgh (2011–2012): thesis with distinction on parallel MapReduce operators; coursework in parallel algorithms, NoSQL databases, and cloud-scale data processing. BSc in Physics, University of Athens (2007): thesis on programming digital signal processors; complemented by Electronic Automation & Information Systems coursework (2007–2009), Athens NLP Summer School (2019), and Big Data Architecture with Apache Spark (2018).