Antony Kotsampaseris

Senior Software Engineer | Tech Lead

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Summary

Senior Software Engineer and Tech Lead with 8+ years of experience building products from scratch, from fintech (card issuing, KYC/KYB) to IoT environmental monitoring and startup MVPs. Built and led a six-person engineering team that delivered the first release of a B2B card platform within **three months**. Strong at bringing **engineering process, CI/CD and automation** to early-stage teams. Python-first, comfortable across the full stack down to edge devices. MSc in Particle Physics (Durham, **1st in cohort**, Winton Prize).

Experience

Senior Software Engineer, Anzen Infrastructure Technologies – Athens, Greece Mar 2026 – Present
Full-Time (Hybrid) – Early-stage B2B SaaS for construction-site safety and environmental monitoring

- **Automated edge deployments**: designed and built a web-based deployment tool, replacing manual on-site and per-device SSH deployments with a streamlined, UI-driven workflow.
- Set up **CI/CD from scratch for 10+ services** and restructured the release process for predictable, repeatable delivery.
- Introduced **Scrum and code reviews to a team that had none**, including sprints and backlog refinement, improving productivity and code quality and giving structure to how work is planned and delivered.
- Built the **IoT data pipeline and rule-based alert system** that turn raw sensor data into real-time environmental monitoring (dust, noise, vibration, air quality).

Tech Lead, Up Hellas – Athens, Greece Sep 2023 – May 2025
Full-Time (Hybrid) – B2B reloadable-card platform

- Built the team and the product from the ground up: recruited, onboarded and led six engineers while delivering the platform's **first release within three months**.
- Owned the architecture: a **hybrid microservices design** (Django and FastAPI), integrations with external providers, and KYC/KYB compliance flows.
- The platform reached **over 1,000 cardholders and thousands of monthly transactions**.
- Mentored and coached the team as it grew, combining hands-on development with technical leadership.

Lead Software Engineer (Contract), Personal Chef – Chalkis, Greece Nov 2022 – Jun 2023
Contract (Remote) – Sole engineer on a food-service startup's MVP, owning all technical decisions

- Designed and delivered the **MVP from the ground up within six months**: a web application for customer orders, menus and delivery scheduling.
- The MVP let the startup validate its business model, **secure initial funding** and go to market.

Senior Software Engineer, Amdocs – Athens, Greece Oct 2020 – Sep 2022
Full-Time (Remote)

- Built and maintained backend services in PHP and Python, integrated with large existing systems.
- Helped modernize legacy systems towards a more modular, maintainable architecture.
- Implemented an **OCR feature** for extracting text from images, using pre-trained models, TensorFlow and OpenCV.
- Worked with distributed teams across several countries on client-facing projects.

Full-Stack Software Engineer, TechnoLogic LTD – Chalkis, Greece Oct 2017 – Aug 2020
Full-Time (Hybrid)

- Built end-to-end web applications for clients across different industries (PHP, Python, MySQL/MariaDB).
- Managed servers and network infrastructure, including DNS, firewalls and load balancers.

Skills

- **Programming**: Python, TypeScript/JavaScript, PHP, SQL
- **Backend**: FastAPI, Django/DRF, Node.js, Laravel, Flask; microservices, message queues (RabbitMQ, SQS)
- **Frontend**: React.js, Next.js, Vue.js
- **Data**: PostgreSQL, MongoDB, MySQL/MariaDB, Redis, Elasticsearch
- **Infrastructure**: Docker, Kubernetes, GitHub Actions, GitLab CI, Jenkins, Azure, DigitalOcean, Vercel, Grafana, Prometheus, Loki
- **Engineering practice**: technical leadership, hiring, Scrum, code review, CI/CD, release management
- **Spoken languages**: Greek (native), English (fluent), Spanish (basic)

Education

Durham University, MSc in Particle Physics – *1st Class with Distinction* Sep 2016 – Sep 2017
- **Winton Prize in Mathematics & Physics**, awarded for ranking first in the MSc cohort
- Dissertation: Holographic Entanglement Entropy and Gravitation in asymptotically AdS Spacetimes

University of Salford, BSc in Physics – *1st Class with Honours* Sep 2013 – May 2016
- Dissertation: Spatiotemporal anti-dark solitons in systems with cubic-quintic nonlinearity

University of Birmingham, PhD, Theoretical Physics – *left after one year* Sep 2018 – Sep 2019
- Research topic: Ultra-strong coupling in Quantum Plasmonics

Teaching

Graduate Teaching Assistant, University of Birmingham *(Part-Time)* Sep 2018 – Jun 2019
- **Experimental Physics Lab Assistant** (Sep 2018 – Jan 2019): supervised first-year students through laboratory experiments and marked their weekly reports and final projects.
- **Statistical Physics Tutor** (Jan – Jun 2019): ran tutorial sessions for second-year students, helping them through problems and concepts, and marked their solutions.

Publications & Talks

- *Relativistic and pseudorelativistic formulation of nonlinear envelope equations with spatiotemporal dispersion*, Parts I & II – Phys. Rev. A 98, 053842 and 053843 (2018), co-author
- Conference contributions at **META 2019** (Lisbon), **EOSAM 2016** (Berlin) and **SPARC 2015** (Salford) on plasmonic nanocavities and diffraction from fractal apertures

Volunteering & Open Source

Co-founder, Volunteer Association for Stray Animals of Chalkida eeach.gr
- Rescue, foster and rehome stray animals; the association has rescued 300+ animals, completed 150+ adoptions and has 50+ active volunteers.
- Designed and built the association's website single-handedly: adoption listings, foster and volunteer sign-up, donations, blog and newsletter.

OpenAdopt *(in development)* GitHub
- Open-source, self-hosted adoption platform for animal shelters and rescue groups (FastAPI, PostgreSQL, React).