

Iasonas Kakandris

Thessaloniki, Greece | ikakandris@gmail.com | deepblue597.org | [LinkedIn](#) | [GitHub](#) | +306972256543

Professional Experience

Software Engineer, IIT, NCSR “Demokritos”, Greece Feb 2026 – Present

- Deployed Open OnDemand on a Rocky Linux 9 VM with Keycloak OIDC auth, exposing Jupyter, VSCode, and RStudio as Apptainer-based interactive apps.
- Authored Ansible playbooks provisioning a 3-node Slurm cluster end-to-end MUNGE, slurmdbd/MariaDB, NFS home dirs, SSSD/LDAP, Apptainer, and ColdFront allocations.
- Operationalized Zammad, Outline, and Plane via Docker Compose, automating Zammad groups, triggers, and AI-agent setup in Python.

MLOps Engineer (formerly ML Engineer Intern), ICS, FORTH, Greece July 2025 – Feb 2026

- Trained a machine learning model for semantic segmentation of river regions, achieving a Dice score of 0.91.
- Deployed the containerized data pipeline on Kubernetes, integrating Kafka, MinIO, PostgreSQL, and Grafana.
- Developed a full-stack web application for real-time model interaction, visualization, and performance monitoring, backed by Grafana dashboards for live metrics.

Software Engineer Intern, Technology Without Borders, Greece July 2024 – Sept 2024

- Created customized B2B apps using Microsoft PowerApps, reducing processing time by 98%.
- Designed an event management app using Flutter and Dart with real-time tracking and cloud integration.
- Built a Chrome extension using Plasmo and Firebase for a cross-platform reminders app.

Software Engineer, SpaceDot (student space team), Greece Nov 2021 – Nov 2024

- Built the Angular operator UI used to monitor and control the team’s satellite data transmission system.
- Containerized the application with Docker, cutting deployment time by 40% and standardizing the development environment across the team.

Key Skills

Languages: Python, C++, Java, TypeScript, Dart, C, Bash

Backend & Data: Kafka, Quix Streams, River, PostgreSQL, MinIO, Firebase

DevOps & HPC: Docker, Kubernetes, k3s, Ansible, Slurm, Open OnDemand, Apptainer, Traefik, Tailscale

Identity & Observability: Keycloak, OpenLDAP, SSSD, ColdFront, Prometheus, Grafana, Zammad

Education

Aristotle University of Thessaloniki (AUTH), Thessaloniki, Greece Sept 2019 – Dec 2025

M.Eng in Electrical and Computer Engineering (integrated masters; 300 ECTS)

- **Grade:** 8.14/10
- **Major:** Electronics and Computers
- **Thesis:** Design and implementation of a textual domain language to produce machine learning applications on data streams
 - Developed a declarative DSL using TextX and Jinja for streaming ML pipelines.
 - Integrated Kafka, Quix Streams, and River for real-time data ingestion and online learning.
- **Relevant Projects:**
 - **CrisisMapper:** Disaster mapping tool using SQL and Angular, centralizing critical disaster information.
 - **Neural Networks:** Developed and compared SVM, MLP, and RBF models in Python.

Personal Projects

Self-Hosted Homelab: Operate a self-hosted platform with 20+ Dockerized services, using Traefik for reverse proxying and Cloudflare DNS for secure subdomain routing.

SixPath: Self-hosted professional-network visualization tool that maps and maintains personal connections through an interactive graph interface.

Societies and Affiliations

Mensa — Member.