

# Georgios Zachariadis

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## WORK EXPERIENCE

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### AI Engineer

April 2024 - Present

*PwC Greece*

*Athens, Greece*

- Architected and engineered a **cloud-native, microservices ML orchestration platform** with async execution, autoscaling, and experiment tracking using **FastAPI, RabbitMQ, Celery, and MLflow**, deployed via **Docker** with automated **CI/CD pipelines on Azure Pipelines**.
- Developed production-grade **RAG and Agentic AI systems** using **LangGraph, LangChain, and modern LLMs**.
- Built **end-to-end ML pipelines** on **Microsoft Fabric** with training, AutoML via **FLAML**, and model lifecycle management in **MLflow**.
- Delivered **ML-powered APIs** with **FastAPI and Django REST** for seamless production integration.
- Applied **MLOps/DevOps practices** using **Docker, devcontainers, and CI/CD** for reproducible and scalable deployments.
- Mentored engineers and led the PwC Greece **Python Community**, promoting clean architecture and engineering best practices.

### Software Engineer

February 2023 - March 2024

*PPC S.A.*

*Athens, Greece*

- Designed ETL pipelines and built decision-making dashboards for 100+ users as the sole Java Spring developer for PPC's ETRM DataLab, improving data workflows and visibility.

### Military Service

November 2022 - November 2023

*Ministry of National Defense, Hellenic Army*

*Athens, Greece*

- Served as IT Support Engineer, providing systems support and IT consulting.

### Data Science Intern

April 2022 - September 2022

*Augmenta (Acquired by CNH Industrial)*

*Athens, Greece*

- Led an agricultural optimization initiative leveraging Scikit-learn and OpenCV to build AI-driven tools that improved logistics efficiency and reduced crop damage, supporting 50+ agricultural companies worldwide.

### Junior Machine Learning Researcher

August 2021 - October 2022

*AUEB University, NLP Group*

*Athens, Greece*

- Conducted research on NLP, Computer Vision, and Deep Learning for medical diagnosis, using CNNs, RNNs, Transformers with PyTorch and TensorFlow for model development and evaluation. [\[publication\]](#) [\[code\]](#)
- Placed **1st** and **2nd** in [ImageCLEFmedical](#), an international competitive campaign for image analysis and retrieval.

## EDUCATION

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### AUEB University

October 2018 - September 2022

*BSc in Informatics, Major: AI and Data Systems*

*Athens, Greece*

- **Grade:** 8.15/10, **Top 4% of class**, Four-year Degree (240 ECTS)
- **Thesis:** Exploring Uni-modal, Cross-modal, and Multi-modal Medical Captioning [\[paper\]](#)
- **Relevant courses:** Machine Learning, Artificial Intelligence, Statistics, Time Series, Software Engineering.

### Certifications

**Microsoft:** Azure AI Engineer Associate (AI-102) [\[credential\]](#), Azure AI Fundamentals (AI-900) [\[credential\]](#), Azure Fundamentals (AZ-900) [\[credential\]](#)

**AWS:** Cloud Practitioner (CLF-C02) [\[credential\]](#)

## TECHNICAL SKILLS

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**Languages:** Python, SQL (MS SQL, PostgreSQL, MySQL, Oracle, MongoDB), Java, R

**Machine Learning & AI:** scikit-learn, MLFlow, FLAML, LangChain, LLMs, RAG, TensorFlow, PyTorch, ONNX

**Cloud & DevOps:** Azure, Git, Docker, DevContainers, CI/CD (Azure Pipelines), YAML, Bash

**Others:** FastAPI, Django, Poetry/UV, Celery, RabbitMQ, Spring

**Languages:** Greek (Native), English (Proficient), German (B1)