

ATHANASIOS GENIDOUNIAS | CV

Software Engineer

Personal Details

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Professional Summary

Dynamic Software Developer specializing in Java microservices, with deep expertise in both Spring Boot and Java EE. Skilled in both monolithic systems and scalable microservices architectures, building efficient, high-performance backend solutions. Proven track record of delivering reliable, robust software.

Professional Experience

- **2025 - Present**, Software Engineer, Cognition

- Currently working on **Gov.gr Messenger (National Communication Hub)**. Cloud-Native Microservices architecture hosted on Azure Container Apps. Implementing Event-Driven Architecture with **Apache Kafka** for asynchronous messaging and **Redis** for caching. Managing polyglot persistence with **Azure Cosmos DB**.
- Ownership of a dedicated microservice for an internal application at the **General Chemical State Laboratory of Greece**. Java 21 microservices with Oracle Database in a Dockerized environment and Object storage integration and management with MinIO. Also Pod monitoring and troubleshooting in Kubernetes and Graylog. Database performance tuning and query optimization. Integration of Camunda 7 BPMN workflows for business process monitoring

- **2024 - 2025**, Software Engineer, Primary

- Contributing to the development and enhancement of three core company products: **Optishift**, **MyOptishift**, and **Prometheus**, utilizing modern technologies including Java (11, 17, 21), Vaadin (7 and 24), PostgreSQL, Spring, and Spring Boot, Docker.
- Implemented and streamlined CI/CD pipelines using GitLab, significantly improving deployment efficiency and reducing delivery time.
- Spearheaded the refactoring of Optishift to enhance system performance and deliver an improved user experience.

- **2022 - 2024**, Software Developer, Sword-Group

- Contributed to the **MyEPO** project for the European Patent Office: microservices, Java 11, Elasticsearch, DB2, REST, Grafana, JMeter, Elastic Logs, Kafka, Kubernetes, and ArgoCD.
- Part of the **AMS** project for DIGIT: Java 17, XML, JSON, SOAP, AWS, and Bamboo.
- Worked on the **ECHA** project for the European Chemical Agency: Java EE, Azure DevOps, Documentum, Wildfly, Jenkins.

- **2022 - 2023**, Project Manager and Developer, Talos U.V.S

- Managed project plans, team meetings, and resource allocation for the Talos U.V.S project.
- Developed computer vision algorithms using OpenCV for UAV applications, enhancing real-time analysis and decision-making capabilities, aiding in wildfire prevention.

- **2020 - 2022**, Software Engineer, Its Alive

- Designed and programmed advanced sensors for data collection, significantly improving data accuracy and analysis capabilities.
- Collaborated on the development of bioreactors, contributing to the creation of fresh and live spirulina ready for consumption.

Education

- **2020 - Present**, Master's Degree in Informatics and Computer Engineering, University of West Attica
 - Broad curriculum with a keen interest in networks and communications.

Languages

- English (B2), German (A2)

Certifications

- Software Architecture (SOLID) Design Patterns in Java
- Complete Guide to Elasticsearch
- Spring Framework 5: Beginner to Guru
- Apache Kafka Series - Learn Apache Kafka for Beginners v3
- Python for Data Science and Machine Learning Bootcamp
- Python for Computer Vision with OpenCV and Deep Learning