



GARAGANIS EVANGELOS

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EXPERIENCE

Backend Software Engineer

Information Technology Support Centre of the Hellenic Army

Early 2024 - Late 2024

1. Responsible for the backend development of two inter-governmental services that were successfully led to delivery, Spring.
2. Co-implemented the OAuth2 protocol over Greek's Government Service Insurance System (GSIS), Spring and Spring Security.
3. Developed a high-level Java client over GSIS Citizen Gate REST API.

Full-Stack Software & Data Engineer

Niovity

Early 2020 - Late 2023

1. Contributed as a core engineer within Niovity's datalake and BaaS realms.
2. Authored Elasticsearch's integration, search and data analytics.
3. Co-implemented the front and backend parts of an in house query language compiler for Datalake's search API, Elasticsearch and Java.
4. Augmented the in-house query language compiler with graph operators, allowing query federation over multiple datastores, Elasticsearch and Neo4j.
5. Involved in developing three front-end applications, NextJS and React.
6. Release management and application deployment, Docker and Gradle.
7. **Bonus:** Conducted my master thesis on Niovity's semantic data lake, proposing the utilization of knowledge graphs and graph technologies for improved data exploration, metadata management and advanced analytics.

EDUCATION

Master in Information Systems Development & Security

Athens University Of Economics and Business

2021 - 2023

Specialized in *Cybersecurity and Critical Infrastructure Protection*, with GPA 8.94/10.

Thesis

Leveraging Semantic Data Lakes Capabilities Using Knowledge Graphs & Graph Technologies

Bachelor at Department of Informatics & Telecommunications

National Kapodistrian University of Athens

2014 - 2020

Specialized in (I) *Data Information and Knowledge Management*, (II) *Computer Systems: Software & Hardware*, with GPA 7.52/10.

Thesis

Web-Based Survey Manager for Building Dynamic Surveys with Nested Visualizations

SKILLS

Web Development

Front-end

React (6 years), Next.js(3 years), React Native, Lume, Tauri

Back-end

SpringBoot (4 years), NodeJS / ExpressJS, Kafka

Programming Languages

Java/Groovy, JS/TS, Python, C, Rust

Databases

Elasticsearch (5 years), Neo4j, MySQL, OLAP - Apache Spark

Data Science

Handful of AI & DS projects, comfortable with Kibana, Neo4j GDS, Apache Echarts.

Other worth mentioning assets

- CI/CD with Docker & Gradle pipelines.
- Blockchain technologies, Solidity.
- Cloud technologies, OpenFaaS.
- Linux and Shell Scripting.

PROJECTS

Dev-Study (React, Elasticsearch, Express) Survey management SaaS, offering advanced analytics and intuitive survey building, used to conduct developer surveys.

Cognihub (NextJS, Firebase) Cognihub's interdisciplinary hub website, including CMS & authorization features.

Scrum Tool (VueJS, Java, SQL) Web cooperative platform that helps teams to implement software projects based on agile methodology (SCRUM) via sprints, epics, user stories and issues.

Semantic Analysis For Minijava (Java, LLVM, CLang) Implementation of Minijava compiler producing linear level IR for a subset of instructions of LLVM language.

Game of life (C, CUDA, MPI) Conway's Game of Life, solved using parallel programming with C, Open-MP and CUDA.

Cryptocurrency Recommendation System (C++) Crypto recommendation using sentiment analysis over twitter data, KNN/clustering C++ implementation and 10-fold validation.

Bank's Clients Classifier (Python, Sklearn) Implementing a model to classify bank clients as either good or bad loan candidates, utilizing data exploration and feature selection techniques.

You can find a complete list of my projects, articles and presentations under **egaraganis.dev**.

COMMUNITY

Cognihub Co-creator of Cognihub's interdisciplinary hub revolving around cognitive science.

Pysos.dev Co-creator of Pysos programmers blog post.