

# Full Stack/ETL Developer

AINIGMA technologies is a Machine Learning (ML) start-up based on Belgium and Greece. We bring together a team of biomedical engineers, medical doctors, and business consultants with a long track record in the development of ML solutions, mainly, but not exclusively, for biomedical applications. The team of AINIGMA has been involved in both research and commercial projects with different roles, which have given us valuable experience in the development of ML algorithms, alongside with expert consulting, cognitive knowledge, and efficient project management of large-scale European and national projects. The diverse background of the team members allows us to identify and address real-life problems from multiple perspectives and promote the exploitable results effectively in the right market direction.

We are seeking a **Full stack/ETL Developer** with strong systems, software, cloud, and Agile experience to support ai-based biomedical software and to provide Agile development and operations and maintenance. Based in DevOps framework, participate in and/or direct deliverables of projects through all aspects of the software development lifecycle.

Your Tasks and Responsibilities:

- Build cloud-native data platforms which serve as the basis for implementation of different use cases in R&D in Biomedical sector.
- Ensure compatibility and integration of datasets and data sources within the healthcare domain, adhering to the principles of FAIR data (Findable, Accessible, Interoperable, Reusable).
- You will be responsible for tasks such as data modeling, creating data mappings, implementing standards, data cleaning, and establishing reference datasets.
- Develop and integrate custom developed software solutions to leverage automated deployment technologies.
- Develop, prototype and deploy solutions within Commercial Cloud Solutions leveraging Infrastructure platform services.
- Support the Agile software development lifecycle following Program SAFe practices
- Use industry leading DevOps tools such as GitHub, Jenkins, Unix bash scripting
- Create innovative solutions to meet the technical needs of customers.
- Mapping of various datasets to international standards (e.g., OMOP and FHIR) to achieve FAIRness and interoperability.
- Development and implementation of the "reference data management" and "master data management" solutions and "metadata catalog"
- Actively participate in cross-functional collaborations with external companies, as well as internal scientific and data science teams.
- Leverage large-scale observational patient databases (e.g., electronic health records, claims, registries, etc.) to derive insights related to health outcomes.

The optimal candidate must have:

- Master in data science, computer science, computer science or equivalent through experience.
- Hands-on technical data analysis and modeling experience (across roles)
- Proficient with common Agile practices, service-orientated environments, and development practices
- Significant experience in the software development lifecycle, with experience delivering within DevOps toolsets/ practices.
- Experience querying (**ETL writing**), cleaning, and integrating data to create databases (preferable in healthcare domain)
- Direct experience utilizing software testing performance tools, such as Junit.
- Significant experience with scripting languages, such as Java, Python, Bash
- Experience with development using Amazon Web Services (AWS)
- Familiarity with **OMOP** and/or **FHIR** CDM
- Experience working closely within the healthcare domain.
- Proficiency with one or more programming languages such as Python, Java, R and SQL,
- Experience with Natural Language Processing, medical coding and disease ontologies are considered as a strong advantage for potential candidates.

**We Offer:**

- Flexible hybrid working schedule (2 days from office – 3 days remote working).
- Competitive salary based on the seniority of the candidate.
- Not just a great job in a start-up that has already earned European grants and is now scaling up to the next phase, but also an excellent accelerator of your professional growth (e.g., participation in training activities).
- Collaboration with prestigious companies and universities withing European projects