



# SYMBIOLABS

circular intelligence

SYMBIOLABS (<https://www.symbiolabs.gr>) offers services and digital applications to support industries and policy makers in their transition to the Circular Economy. We introduce the concept of Circular Intelligence, applying Business Intelligence, Big Data Analytics and Machine Learning to drive profitable business actions in the Circular Economy. Leveraging our strong interdisciplinary expertise on data engineering and industrial process systems engineering, we offer solutions for data analytics on material/resource data collections, decision support for waste valorization, support and maintenance of industrial symbiosis networks, waste and by-product supply chain optimization, and environmental footprint reduction. SYMBIOLABS was founded in 2019 and is a spinoff company of ATHENA Research Center. ATHENA Research Center is the leading research body in Greece focusing explicitly on Information Technologies and Computational Science.

We are looking for **(I) Front-End Developer with experience in React, (II) Back-end Developer with experience in Python, (III) Data Scientist with experience in data engineering, (IV) Student interns.**

For info please contact us at: [info@symbiolabs.gr](mailto:info@symbiolabs.gr)

## **(I) Front-end developer**

### **What's the ideal profile**

- BS/MS degree in Computer Science, Engineering, or a related subject (or equivalent practical experience).
- At least 1-2 years of experience with modern web frameworks (e.g., React, Redux)
- Good understanding of developing SPAs (Single Page Applications) using RESTful APIs.
- Knowledge of CSS Frameworks (e.g., Semantic UI, Material UI, or React Bootstrap).
- Advanced knowledge of English.

### **What's nice to have**

- Experience with Python and Django or Flask.
- Familiarity with git or similar code versioning tools.
- Exposure to agile environments.
- Experience collaborating with designers to create intuitive and accessible interfaces.
- Familiarity with mobile applications development.

## **(II) Back-end developer**

### **What's the ideal profile**

- BS/MS degree in Computer Science, Engineering, or a related subject (or equivalent practical experience).
- At least 1-2 years of experience with Python and Django or Flask.
- Knowledge of SQL databases (preferably PostgreSQL and SQLite).
- Good understanding of developing SPAs (Single Page Applications) using RESTful APIs.
- Understanding of best practices in web application and security.
- Advanced knowledge of English.

### **What's nice to have**

- Experience with web development on the front-end, particularly React.
- Familiarity with git or similar code versioning tools.
- Exposure to agile environments.
- Familiarity with containerization and microservices architecture.
- Exposure to Machine Learning frameworks.

## **(III) Data Scientist**

### **What's the ideal profile**

- BS/MS degree in Computer Science, Engineering, or a related subject (or equivalent practical experience).
- At least 1-2 years of experience.
- Knowledge of SQL databases (preferably PostgreSQL and SQLite).
- Good understanding of implementing ETL data processes and data cleaning.
- Good understanding of Machine Learning methods and exposure to Machine Learning frameworks.
- Good understanding of Statistics.
- Advanced knowledge of English.

### **What's nice to have**

- Familiarity with git or similar code versioning tools.
- Exposure to agile environments.
- Familiarity with containerization and microservices architecture.

## (IV) Student Interns

### What's the ideal profile

- At the last stage of obtaining your BS/MS degree in Computer Science, Engineering, or related subject.
- Strongly motivated by data engineering problems.

### What's nice to have

- Familiarity with git or similar code versioning tools.

As part of your internship, you will be exposed to data science technologies and tools related to SYMBIOLABS core Circular Intelligence solutions. Funding may be available.