

INTERNATIONAL INTERNSHIP OFFER PRESENTATION

COMPANY PRESENTATION:

We became the tech partner of several realities worldwide, from incubators, accelerators and VCs to enterprises and individual entrepreneurs.

Born in Italy in 2013, Lasting Dynamics stands on the belief that the path to excellence is paved with quality. Extending our roots from Italy to Spain, United Arab Emirates, and Norway, we've grown into a global family with the focus of crafting world-class software solutions and offering insightful consultancy to redefine the way businesses operate.

A decade of success in several industries and technology:

We don't believe in "customers" but in "partners". Breaking away from traditional business models, we place our faith in building successful solutions, long-term partnerships, and collaborative success leveraging the power of teamwork, preferring Agile practices over monolithic processes.

In the past decade, we've been the technological heartbeat for several successful enterprises worldwide, earning us prestigious awards and recognition as the top leading software house from trusted industry experts.

In Lasting Dynamics we prefer long-term and large projects, from mobile to web applications, VR/AR/MR/XR, AI and blockchain/web3.

INTERNSHIP TITLE / SECTOR OF ACTIVITY:

Curricular Internship in Computer Engineering:

Web Application Development and MySQL Database Performance Optimization for Mobile Applications

ACTIVITIES:

1. FRONT-END WEB, MOBILE E VR/AR:
 - a. Development of graphical interfaces
 - b. Development of components and libraries
 - c. Library integrations
 - d. Integration of services through APIs
 - e. Debugging and performance reviews
 - f. Automated testing
 - g. Other tasks

2. BACK-END:

- a. Design and development of Relational Databases
- b. Design and development of REST / GraphQL APIs
- c. Integration with third-party services and libraries
- d. Automated testing
- e. Development of Business Logic
- f. Other tasks

3. DevOps:

- a. Kubernetes cluster operations
- b. Application containerization with Docker
- c. Security practices
- d. Data maintenance
- e. Other operations

4. Artificial Intelligence:

- a. Integration of Generative AI, Predictive AI, and other services
- b. Identification and training of models for other AI applications (image recognition, OCR, etc.)

5. Agile Methodologies:

- a. SCRUM: practices, ceremonies, team collaboration and communication
- b. Behaving Agile vs being Agile

LEARNING OBJECTIVES:

To gain practical experience in software development, focusing on web and mobile technologies, with a strong emphasis on integrating and developing services based on artificial intelligence. The internship entails developing a mobile application for iOS and Android within an Agile SCRUM team at Lasting Dynamics SLU, contributing as a Back-End / Front-End Developer.

This internship involves hands-on project implementation using innovative computing technologies and includes essential training to understand these technologies fully. The objectives are to equip the intern with specific technical skills, enhance problem-solving abilities, facilitate learning of software development methodologies, and develop essential soft skills such as communication and teamwork.

SKILLS TO ACQUIRE:

Technical Skills:

- React.js / React-Native + Redux + Typescript
- Unity 3D
- Node.js + Nest.js, GoLang, PostgreSQL, Redis
- Docker, Kubernetes, Terraform, AWS

Other Skills:

- Problem-solving: Capacity to address and solve problems in a logical and methodical manner.
- Teamwork: Ability to work effectively in a team and collaborate with colleagues.
- Communication: Skill in communicating clearly and effectively, both verbally and in writing.

TECHNICAL SKILLS AND PERSONAL SKILLS:

1. Technical Skills:

- GIT / Version Controller
- Procedural Programming
- Object-Oriented Programming
- Algorithms and Data Structures
- Relational Databases
- Human-Computer Interaction
- Web Technologies (SPA, MPA, DOM, client-server, HTTP protocol, etc.)
- Software Engineering (UML, design patterns, software architectures)

2. Personal Skills:

- Adaptability: Willingness to learn new skills and adapt to new environments and challenges.
- Curiosity and Motivation: Desire to learn and make a positive contribution to the company.
- Organization and Time Management: Ability to manage multiple tasks simultaneously and meet deadlines.

COMPUTER SKILLS:

- Programming: Knowledge of basic programming languages such as Java, Python, JavaScript, C++, or others, for software development and debugging.
- Web Development: A bit of experience with HTML, CSS, and JavaScript
- Database Management: Basic skills in designing and managing relational databases using SQL (Structured Query Language) or NoSQL.
- Operating Systems: Practical knowledge of operating systems like Windows, Linux, or macOS, and ability to use the command line for system administration.
- Version Control: Experience with version control systems like Git for managing source code and changes in software projects.
- Cybersecurity: Knowledge of cybersecurity best practices to protect systems and data from external threats.

LANGUAGE SKILLS:

Intermediate level in the English language is a mandatory requirement (B1 - B2)

OTHER EXPENSE REIMBURSEMENTS / SCHOLARSHIPS:

- Daily Food