Yarilabs

CERTIFICATE
OF SUMMER INTERNSHIP

This is to certify that **André Brandão** has successfully completed a Summer Internship at this Organisation, in a real-world work environment, in the area of Software Development. The internship focused on the Yari Flow project (www.yariflow.com) - a platform for managing e-commerce subscriptions and analytics for Shopify, featuring Go microservices, Kubernetes orchestration, data pipelines and took place from **June 16, 2025, to July 25, 2025**, with an **"Excellent"** performance.

DURING THE INTERNSHIP, THE FOLLOWING ACTIVITIES WERE DEVELOPED:

- Collaborated on the Yari Flow project, contributing to requirement analysis, data and entity modeling, implementation, and successful release of features, including a dynamic analytics dashboard for multiple tenants;
- Learned and applied the Go programming language to develop efficient microservices, emphasizing concurrency and performance best practices;
- Integrated with databases such as PostgreSQL for transactional data and ClickHouse for analytical queries, building data pipelines that incorporate event sourcing for robust data model storage and transformation; this included hands-on learning of ClickHouse for OLAP systems, efficient data modeling for high throughput, storage optimization, and performance enhancements using materialized views and TTL (Time to Live) policies to enable super-performant queries across multi-tenant environments;
- Developed a Backend For Frontend (BFF) using the Chi framework to optimize API interactions, support the frontend analytics dashboard, and ensure seamless data flow with sub-second updates;
- Acquired domain expertise in Shopify subscriptions and e-commerce operations to inform backend logic and integrations;
- Partnered with the Frontend team to specify, design, and document RESTful APIs for efficient communication and integration;
- Participated in daily stand-up meetings and utilized Agile methodologies for project management, leveraging tools such as Plane for task tracking and AnyType for documentation;
- Applied software development cycles through Test-Driven Development (TDD) to ensure reliable and testable code;
- Engaged in team collaboration using Git Flow for version control and conducted thorough code reviews to maintain high code quality standards.

Braga , 25 of July 2025

YARI LABS
Nif.: 514 366 427
Rua Dr. Justino Cruz, Nº 110
1º Andar - Sala 25, 4700-314

EMANUEL MOTA
CEO