Iván López Marchante

Full-time professional experience: 4 years

Main Skills: Java Backend Developer

Personal relevant facts: I coded my first simple software at the age of 15. I have been competing in triathlons since the age of 12.

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Main skills

Programming languages	Academic context: C, C++, C# Java, Python, JavaScript, and Typescript. Professional context: Java and Go
Frameworks	Spring Boot, Quarkus, Hibernate, Junit, React Native, Jest, and Angular.
Scripting & Automation	Python, PowerShell, and Bash.
Database	SQL: MySQL and PostgreSQL NoSQL: Firebase Realtime Database and Couchbase
Operating Systems	Windows and Ubuntu (Linux).
Tools	Docker, BitBucket Pipelines, RabbitMQ, JaCoCo, Jira, Bitbucket, Confluence, SonarLint, GCP (Logs,Buckets and BigQuery) and Karate.
Working methodology	Scrum SAFe methodology and Kanban Board.

Education - Languages

Certifications or trainings	B2 First Certificate Cambridge (English, 2017) University extension course on Machine Learning and Visual Data Analysis (December 2024)	**Dates**
Bachelor's Degree	University of Malaga, Software Engineering 7.2/10	**2021**
High School	Instituto I.E.S Guadalpín (Marbella, Málaga, Spain) 9.1/10	**2017**
Languages	**Spanish:Native** **English:Fluent** **German: Beginner**	

Experience

Metadata ***09/2021 - 10/2022***

Context: Java Backend Developer in Metadata, a mid-size services company from Malaga. Metadata offers a web application (SaaS), called MetaContratas, that allows companies to manage the tasks resulting from the subcontracting relationship within the framework of Business Activity Coordination.

Project's Description: Development and Implementation of a microservice for the management of the documentation related to labour risk prevention. This microservice is a new feature of the MetaContratas system.

Responsibility: Implementation (80% of the time), Design (20% of the time).

Tasks to be carried out:

- Implementation of all the necessary endpoints for the management of the documents in the labour risk prevention microservice. These endpoints have four main layers (Controller, ServiceDTO, Service, and Repository). The rest service is made with the Quarkus framework.
- Creation, Deletion, and Update tables of the MySQL Database linked to the rest service. I use Hibernate to connect the system with the database.
- Create queues with RabbitMQ, for the communication of other rest modules with the labour risk prevention microservice.
- Development and Implementation of Unit Testing, Integration Testing, and Performance Testing with JUnit. Also, I use JaCoCo to visualize the testing coverage.
- Script Implementation to automate some simple tasks (Data insertion…).

Project Environment	*Languages, Scripting & Frameworks*	Java, Python and Powershell
	Operating system & Tools	Operative System: Windows Tools: Docker, BitBucket Pipelines, RabbitMQ, Jira, Bitbucket, Confluence, and SonarLint
	Database	MySQL
	Working methodology	Scrum / Kanban Board

TMC *11/2022 - 12/2023*

Context: Backend Developer in Consulting company TMC, working for the client DIA (Spanish Supermarket Company).

Project's Description: Development and implementation of microservices infrastructure for order management at DIA with various deliveries (UberEats, Glovo and JustEat). Creation of the catalogue integration for the deliveries.

Responsibility: Implementation (60% of the time), Design (30% of the time), Maintenance (10%).

Tasks to be carried out:

- Implementation of all the endpoints necessary for the management of deliveries orders. In these endpoints, it is necessary to create a series of triggers to communicate with other microservices through Kafka.
- Migration of the old delivery systems to a new system that unifies delivery orders with orders from DIA's shopping website.
- Maintenance of DIA web pages for management of invoices and delivery receipts.
- Visualization and testing of traces in Kibana, when the implemented code is in dev, test and production environments.
- Review of order flow in Google Cloud Platform (GCP) using BigQuery and the JSON stored in buckets.
- Incident management, in case of production system failures with order management system.
- Development and implementation of unit tests, integration tests and performance tests with JUnit, Mockito and Jest (frontend). E2E testing in microservices with Karate.

Project Environment	*Languages, Scripting & Frameworks*	Java, Go and TypeScript/JavaScript
	Operating system & Tools	Operative System: Windows and Ubuntu Tools: GCP (Logs,Buckets and BigQuery), Kibana, Hibernate, Docker and Jira
	Database	SQL DB: MySQL and PostgreSQL NoSQL DB: Couchbase
	Working methodology	Scrum SAFe methodology.

TMC *01/2024 - Ongoing*

Context: Backend Developer in Consulting company TMC, working for the client INDITEX (Spanish clothing Company).

Project's Description: Development, implementation and maintenance of microservices infrastructure for factory management (Orders, Raw Materials, Factories...).

Responsibility: Implementation (30% of the time), Design (20% of the time), Maintenance (50%).

Tasks to be carried out:

- Implementation of new endpoints necessary for INDITEX client. All these new endpoints are related to factory management.
- Maintenance of legacy project and microservices projects. Deployment of database migrations, update INDITEX custom libraries, correction of application bugs...
- Visualization and testing of traces in Grafana and INDITEX custom visualization tools, when the implemented code is in dev, test and production environments.
- Incident management, in case of production system failures.
- Development and implementation of unit tests and performance tests with JUnit, Mockito. E2E testing in microservices with Karate.

Project Enviroment	*Languages, Scripting & Frameworks*	Java / Springboot
	Operating system & Tools	Operative System: Windows and Ubuntu Tools: Azure, Inditex tools (AMIGA, AdminNow...), Kafka, Grafana, Hibernate, Docker and Jira
	Database	SQL DB: MySQL, PostgreSQL and DB2 AS400
	Working methodology	Kanban Board.