



# Tiago Lourenço

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## 📁 PROFESSIONAL EXPERIENCE

**BOOL SOFTWARE CONSULTING,** Oct 2023 – present  
SOFTWARE DEVELOPER 📍 Lisbon, Portugal  
Create data models, user interfaces, and process flows using Mendix Studio Pro;  
Design the overall architecture of the Mendix application;  
Implement application logic using Mendix's visual modeling tools and microflows;  
Configure and customize the application using Mendix widgets and modules;  
Integrate external data sources and APIs into the Mendix application;  
Identify and solve bugs and issues within the Mendix application;  
Troubleshoot errors and optimize the application performance.

**MECALBI ENGINEERING SOLUTIONS, LDA,** Feb 2018 – Sep 2023  
PROCESS ENGINEERING 📍 Castelo Branco, Portugal  
Design, Implement and Optimize manufacturing processes and team coordination;  
Perform and control technical documentation related to manufacturing process;  
Projects Analysis and cost breakdown.

**DELPHI AUTOMOTIVE SYSTEMS - APTIV,** Feb 2014 – Feb 2018  
MANUFACTURING ENGINEERING 📍 Castelo Branco, Portugal  
Manufacturing process and layout design, implement and coordination;  
Technical documentation preparation to support manufacturing;  
Manufacturing process analysis, optimization and redefinition;  
Projects Analysis and cost breakdown.

## 🎓 EDUCATION

**FULL STACK DEVELOPER,** Academia\_de\_Código 📍 Mar 2023 – Sep 2023  
The studIO bootcamp - A 25-week asynchronous peer-to-peer full-stack developer online study program. Website <https://www.academiadecodigo.org/> 📄

**ELECTRONICS ENGINEERING,** Sep 2008 – Oct 2013  
Escola Superior de Tecnologia, IPCB 📍 Castelo Branco, Portugal  
Engineering course that promotes solid skills in the area of Electronics, Software, Networks and Telecommunications that enables a good professional performance in the areas of design and systems maintenance.  
Website <https://www.ipcb.pt/> 📄

## 🧠 SKILLS

Mendix, Programming, Web Development, Agile Methodologies, Java, REST API, Spring MVC, Spring Framework, Maven, Tomcat, HTML, CSS, Javascript, Web Applications, Object-Oriented Programming, Model View Controller (MVC), Hibernate, Bootstrap, Git, SQL, SCRUM, ES6, SPA

## PROJECTS

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### **Ava to the Rescue**, Web App @ Academia\_de\_Código

"Ava to the rescue" is a web app final project for The studIO bootcamp. It consists in a Single Page Application centered around an AI character from a movie, who provides a cocktail recipe, a random joke or a cool song.

Technologies: JavaScript, HTML, CSS, REST API, SPA, Git.

### **JavaBank**, Web App @ Academia\_de\_Código

JavaBank Web App is an ongoing project started at week 13 of The studIO bootcamp – a full-fledged enterprise application – a Bank management system – built using industry best practices and popular components from the Java Ecosystem.

Technologies: Java, HTML, CSS, Maven, Spring Framework, Spring MVC, SQL, IntelliJ & Git

### **MasterLumberjack**, Game Challenge @ Academia\_de\_Código

Game Challenge MasterLumberjack was a team project done in week 9 of The studIO bootcamp - a game whose main characters are a woodcutter and wolves, with the woodcutter trying to cut down all the trees in the forest and the wolves trying to catch the woodcutter.

Technologies: Java, IntelliJ & Git

### **Automatic dispenser for solids and liquids**

Project work presented to Escola Superior de Tecnologia (IPCB) in order to fulfill the necessary requirements to obtain a bachelor's degree. It is a system based on PIC microcontrollers (Programmable Interface Controller), programmed in C# language.

Tools: CCS PIC C Compiler; PICkit 2 Programmer; Proteus ISIS Professional; Altium Designer.

## LANGUAGES

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Portuguese, English

## CERTIFICATES

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- Mendix Advanced Developer Certification 86177
- Mendix Intermediate Developer Certification 67143
- Mendix Rapid Developer Certification 65937
- Full-Stack Programming Course - Code for All