

# PABLO CARRASCO EGEA



## PROFESSIONAL EXPERIENCE

Universidad de Murcia, Murcia, Spain (Hybrid)

Nov. 2023 – Now

*Research project: Towards redesigning low-code environments as spreadsheets (LowSheets)*

### Software Specialist

- Designed and developed a ready-to-use interface from scratch using [Svelte](#), a modern framework similar to [React](#), alongside various well-known web development technologies.
- Utilized [JavaScript](#) to develop robust and effective solutions that enhanced the user experience of the interface.

BeMyVega, Murcia, Spain (On-site)

Jan. 2023 – May 2023

### Front End Software Engineer Intern

- Developed two small-scale projects utilizing [Vue.js](#) and [React](#), which were presented to the company's technical team to support the selection of the development stack.
- Worked on an accessibility plugin, using [JavaScript](#), which aimed to modify the visual appearance of any webpage without disrupting their functionality. The development involved the use of [GitLab](#) and agile methodologies ([Scrum](#)) for team coordination. This development was the precursor to BeMyVega's [Viewer](#).

## EDUCATION

Universidad de Murcia, Murcia, Spain

Sept. 2019 - Jun. 2024

### Bachelor of Computer Engineering, Specialization in Software Engineering

- I acquired key skills in designing, managing, and implementing cost-effective, high-quality software systems. Key coursework included Database Design, Software Project Management, Algorithms and Data Structures and multiple programming subjects.

## PROJECTS

**Restaurant Management Full Stack Development.** On the back end, I utilized [Java](#) along with multiple microservices to create a [REST](#) service, documented operations with [Swagger](#), conducted tests with [Retrofit](#), and implemented another part of the service using [GraphQL](#) and [.NET](#). Deployment was managed with [Docker](#) and [Kubernetes](#). On the front end, [Express](#) from [Node.js](#) was employed to establish a template-based web server, with [React](#) serving as the primary development framework. [Front End / Back End](#)

**Bike Station Management Application.** Distributed Applications project in [Java](#), involved setting up a server for web application deployment, implemented persistence with [MongoDB](#) and [JPA](#), created the presentation layer of a service using the [JSE](#) framework, and established a communication channel between the server and web browser using [WebSocket](#) technology. [Hosted on Github](#).

**Bachelor's Degree Final Project.** Developed and documented a graphical interface editor for a low-code platform, utilizing [Svelte](#) as the front-end development framework for [JavaScript](#). This project was undertaken concurrently with my employment on a research project at my university. [Preview from an early development stage](#).

**Youtube Clone.** As part of a college assignment, I co-developed a [Java](#)-based application designed to replicate the core functionalities of a video player platform similar to YouTube. The project was an exercise in applying best programming practices and utilizing various software [design patterns](#) such as Abstract Factory, Builder, and Adapter. This project deepened my understanding of practical application of design patterns in software engineering.

## SKILLS

**Development/Programming:** Java, JavaScript, HTML, CSS, C++, C, MongoDB, MySQL, Python, Bash, AWS.

**Frameworks/Technologies:** React, JUnit, Svelte, Vue.js, Spring Boot, .NET, Kubernetes, Docker, API Rest.

**Methodologies:** Agile development, Scrum, TDD, Kanban, Git Flow.

**Soft Skills:** Problem-solving, Self-learning, Teamwork, Creativity, Decision-making.

**Languages:** Spanish: Native | [English](#): Full professional proficiency | French: Limited working proficiency.

## OTHERS

**Developed several small-scale applications using JavaScript and Electron.js**, enhancing my skills in managing data accessed via APIs from major platforms such as Twitter, Reddit, and Spotify. [Github profile](#).

**Basketball referee** for nearly 2 years, officiating at the Murcia's Basketball Federation leagues every weekend.

**Volunteer work at basketball events** for the Spanish Basketball League (ACB).