

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](#) and [Typescript](#) to develop robust and effective solutions that enhanced the user experience of the interface.

BeMyVega, Murcia, Spain (On-site)

Jan. 2023 – May 2023

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 (using [Spring Boot](#)) 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, Typescript, 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 3 years, officiating at the Murcia's Basketball Federation leagues every weekend.