

José Javier Bravo Sarabia

Software Engineer · Fullstack & Secure Systems

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EDUCATION

University of Murcia

BSc in Computer Engineering · 4th year

Murcia, Spain

2023 – 2027

- **GPA 9.03 / 10** · 14 honors distinctions (Matrícula de Honor).
- **Bachelor's thesis:** secure microservice deployment architecture with central authentication (CAS) and an API gateway.

Cyberbootcamp · University of Málaga × Google

Málaga, Spain · Jul 2026

Advanced cybersecurity module for students of technical degrees

- **2nd place** in the programme's technical CTF; built **HackDeck** as support software for its community outreach plan.

EXPERIENCE

Stel Order

Software Engineer · part-time

Software Engineer · training contract

Software Engineering Intern

Murcia, Spain

May 2026 – Present

Jan 2026 – May 2026

Nov 2025 – Jan 2026

- Built from scratch the microservice behind the **most requested feature** in the customer base —identified through a prior survey— and led its **production rollout**, containerized with Docker and Gradle, with high availability and seamless integration with the main Java monolith.
- Defined **strict API contracts** and integration models for secure two-way communication between the microservices and the legacy monolith, integrating 20+ endpoints.
- Developed the microservice with **Java 21** and Spring Boot on the backend and **React** on the frontend, securing endpoints with **JWT and Spring Security**.
- Standardized **clean and hexagonal architecture** practices and secure data flows between services, working in Scrum.
- During the internship, got up to speed on the legacy monolith (**Java 8**, jQuery, Maven, Git) and laid the foundations of the new microservice.

PROJECTS

Driftune · TypeScript · React · Supabase · AI — in production

driftune.josejavierbravo.com

- End-to-end music discovery app: an endless feed powered by a **custom recommendation algorithm**, AI-driven natural-language search, and playlist export to YouTube.

HackDeck · Java · Spring Boot · React · TypeScript — in production

hackdeck.josejavierbravo.com

- Turn-based **cybersecurity tactical simulation** platform (Red Team vs. Blue Team across the Kill Chain) built for Cyberbootcamp Málaga, with an instructor dashboard and a live classroom projection screen.

X-Ray — HackSpain 2026 · Java 21 · Spring Boot · DuckDB · React

hackspain-2026-embat-track.vercel.app

- Monthly financial health score for SMEs, built as a team in 36 hours as our answer to the challenge set by Embat. From **2.5 million bank transactions** and 898,000 invoices across 250 companies, it scores every company from 0 to 100 each month alongside its trajectory, tells a one-off dip from real deterioration with CUSUM change detection, and explains every move with an exact additive breakdown.
- The product on top is a **working-capital limit that recalculates itself every month**, with bank, fund and insurer views, which **anticipated 86% of risk events** with an average 4.5-month lead time.

Jboy — Game Boy Emulator · Java · Java Swing

github.com/JJavierBS/JBoy

- Emulator built from scratch following the Pan Docs: **cycle-accurate** CPU, memory bank switching (multiple MBCs) and an audio pipeline, with ROM and save-state support.

Other projects: ZipRedir (URL shortener) · Peer Share Network (P2P) · Log Analyzer · Photomosaic Generator (C++/Qt5).

Hackathons: HackSpain 2026 (Madrid, Sep 2026 · X-Ray project) · Junction 2026 (Helsinki, Nov 2026).

TECHNICAL SKILLS

Languages: Java · TypeScript · Python · C · C++ · SQL

Backend & architecture: Spring Boot · Spring Security · REST APIs · Microservices · Clean & hexagonal architecture · JWT · OAuth

Frontend: React · TypeScript · CSS · Tailwind | **Databases:** PostgreSQL · MySQL · DuckDB

DevOps & tools: Docker · Linux · Bash · Maven · Gradle · Git · CI/CD · GitHub Actions · Postman · Jira · Bitbucket

Cloud & deployment: AWS · Azure · Vercel · Supabase · Render · Cloudflare

Cybersecurity: Pentesting · OWASP · Burp Suite · Nmap · Metasploit · Wireshark · SQLMap · Kali Linux

CERTIFICATIONS

AWS Certified AI Practitioner

Amazon Web Services · 2026

eJPT — eLearnSecurity Junior Penetration Tester

INE · 2025

ICCA — INE Certified Cloud Associate

INE · 2025

Microsoft Azure Fundamentals (AZ-900)

Microsoft · 2025

IBM AI Developer — Professional Certificate

IBM / Coursera · 2024

LANGUAGES

Spanish: native | **English:** advanced B2–C1 (Cambridge) | **French:** basic B1