



Joel Sánchez

FULLSTACK DEVELOPER + AUTOMATION AND ROBOTICS SPECIALIST

AVAILABILITY

- Fully available to work remotely.
- Flexible hours adapted to international time zones.
- Independent, organized, and accustomed to working in distributed environments.
- Fluent in technical English for communication within global teams.

LANGUAGES

SPANISH	Native
ENGLISH	Advanced (C1)
CATALAN	Native

CONTACT

✉ joelschzmrtz@gmail.com

📁 <https://joel.sanchez.vercel.app>

🐙 <https://github.com/joel-dev-robots>

MY PROFILE

Full-stack developer with experience in industrial environments and modern software development. Specialized in technologies such as React, Next.js, Node.js, and Tailwind CSS. Focused on creating efficient, scalable applications with a strong UI/UX component. Accustomed to working remotely, with agile methodologies and continuous deployment. Background in automation and computer vision, ideal for projects that integrate software and hardware. Looking to contribute to global teams where technology improves people's lives.

EXPERIENCE

FULLSTACK DEVELOPER

Freelance / Personal projects 2021 – Today

- Web application development using React, Next.js, Node.js, and Tailwind CSS.
- Implementation of RESTful APIs and database management with PostgreSQL and MongoDB.
- Integration of computer vision systems for quality control in production lines.

Deployment of applications on platforms such as Vercel and Heroku.

CODING SYSTEMS SPECIALIST

United Barcode Systems April 2024 – Today

- Advanced remote technical support for industrial labeling systems.
- Troubleshooting complex issues for international clients.
- Remote configuration and diagnostics of industrial printing equipment.
- Development of solutions to optimize labeling processes.
- Ticketing system/International Customer Service & Support.

ELECTRONIC TECHNICIAN

Sicma21 2022-2024

- Repair and maintenance of industrial electronic systems. Implementation of technical improvements and troubleshooting in production environments.

EDUCATION

BACHELOR-LEVEL TECHNICAL DEGREE IN AUTOMATION AND ROBOTICS

(2-year advanced engineering program, focused on industrial automation, robotics, and control systems)

IES Miquel Biada, Spain, 2023 – 2025

TECH STACK

- Frontend: HTML, CSS, JavaScript, TypeScript, React, Next.js, Tailwind CSS
- Backend: Node.js, Express, MongoDB, PostgreSQL, REST API
- Tools: Git, Docker, CI/CD, AWS, Vercel, Heroku
- Others: Industrial automation, computer vision, collaborative robotics

FEATURED PROJECTS

Some projects are confidential and are not mentioned due to client agreements, but references can be found on my website:

- Collaborative Robot Control System: Interface for programming and remote control of cobots.
- Robotic Cell Monitoring: Real-time visualization of production metrics and predictive diagnostics.
- Computer Vision for Quality Control: System for automatic defect detection on production lines..