

# ADRIÁN MONTES

## TELEMATICS ENGINEER



Telematics Engineer (URJC), graduated in January 2026. During the current academic year, I am eligible for extracurricular internships (up to 550 hours) and also available for direct employment under a labor contract. Author of **Code-XR**, an open-source VS Code plugin focused on XR, developed **end-to-end** (architecture, implementation, documentation, and demos), with an emphasis on **user adoption and feedback**.



## CONTACT

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- GitHub: [github.com/aMonteSl](https://github.com/aMonteSl)
- Portfolio: [amontesl.github.io/](https://amontesl.github.io/)



## MY PORTFOLIO

More projects or about me in my portfolio (QR/URL)

[amontesl.github.io/](https://amontesl.github.io/)



## LANGUAGES

- English: B2 TOEIC 70 %
- Spanish: Native 100 %



## REFERENCES

DAVID MORENO  
LUMBRERAS, PHD

Doctor at URJC  
Letter of recommendation available upon request

VBGROUP  
Corporate letter

Letter of recommendation available upon request

ABNER ALEJANDRO  
MAGAÑA

Development Lead - VBgroup  
Letter of recommendation available upon request



## OTHERS

- Driving license B



## EDUCATION

King Juan Carlos University  
• BSc in Telematics Engineering (2020-2026)



## EXPERIENCE AND ACHIEVEMENTS

Junior Full Stack Developer (Curricular Internship) | VBGroup

I developed an **internal tool (OBT)** end-to-end, implementing the backend with **Express.js** and **TypeScript** and integrating **Cosmos DB** and **Azure Blob Storage**. I added **transactional emails** and **temporary passwords**, applying **security best practices**. I then developed the **frontend** with **Vite**, **React**, **Tailwind**, and **TypeScript**, using **Git** and collaborating within an **Agile/Scrum** team.

TFG Code-XR – Scientific Paper (VISSOFT/ICSME)

- VISSOFT @ ICSME 2025** – accepted, presented, and awarded: **DOI**
- Official documentation: **Web Oficial**, **Marketplace**
- Over 300 total downloads**

Honors Distinction – LSMU (2025)

- Implementation of UI design principles, activity lifecycle management, and advanced use of system components in **Android Studio with Kotlin**, focusing on reusable components and clean navigation flows.

Honors Distinction -AST (2024)

- Subject focused on **object-oriented programming in C++**. Development of telematics applications applying communication techniques and software design principles.

Adyra Ingeniería (Family Business) – Technology Collaborator

- Automation** of internal processes through the **development of scripts and digital tools**, optimizing time and reducing manual errors



## ACTIVITIES AND EVENTS

URJC Hackathon 2024

- 3-day Hackathon (**circular economy**). University token model: earn by contributing (tutoring, notes, activities) and spend on campus support/services. **Role: ideation, prototyping, and pitching.**

Technology talks and courses (online/in-person)

- Regular **participation in talks and workshops on emerging technologies and existing tools** (web/XR, backend, generative AI).



## SKILLS AND COMPETENCIES

Skills

- Lenguajes:** Pascal, C, C++, RISC-V ASM, Python, Kotlin, JavaScript/TypeScript, HTML/CSS, MATLAB, Go
- Backend:** Django, Express.js
- Front-end:** React, Vite, Tailwind, Bootstrap
- XR/Robotics:** A-frame (WebXR), Babia-XR, ROS2
- Bases de datos / Cloud:** SQL, PostgreSQL, Azure Cosmos DB, Azure Blob Storage
- Herramientas:** Git, Linux, VS Code, Android Studio, Wireshark/nmap, OpenSSL/GPG, iptables/UFW
- Other:** Prompt engineering (generative AI), use of different AI models, AI development assistance (GitHub Copilot).
- Methodologies:** Agile (Scrum)

Skills

- Personal traits:** Achievement-oriented, detail-oriented, committed, creative, proactive, disciplined, curious, resilient, adaptable, organized
- Interpersonal skills:** Teamwork, communication, empathy, active listening



## MORE ABOUT ME

- I am passionate about traveling to learn about other cultures and ways of thinking, exploring new technologies and maintaining continuous learning, along with other more everyday interests that help me balance my personal and professional life.