

ADRIÁN MONTES

TELEMATICS ENGINEER



Telematics Engineer from URJC, graduated in January 2026, with experience in software development, systems, and data visualization. Author of Code-XR, an open-source extension for VS Code published at IEEE VISSOFT 2025, focused on the visual analysis of code metrics in XR environments. Currently completing an extracurricular internship at Cloud & Sistemas N2 and soon to be a Master's student in Telecommunications at UPM, specializing in Machine Learning and Big Data, with an interest in software analytics, code repositories, and applied research.



CONTACT

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[in linkedin.com/in/adrianmonteslinares/](https://www.linkedin.com/in/adrianmonteslinares/)

🐙 GitHub: github.com/aMonteSl

🌐 Portfolio: amontesl.github.io/



MY PORTFOLIO

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

amontesl.github.io/



LANGUAGES

🇬🇧 English: B2 TOEIC 70 %

🇪🇸 Spanish: Native 100 %



REFERENCES

DAVID MORENO

LUMBRERAS, PHD

Professor 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

- Bachelor's Degree in Telematics Engineering (2020-2026)



EXPERIENCE AND ACHIEVEMENTS

Cloud & N2 Systems — Extracurricular Internships | SATEC_

- Level 2 support for clients in cloud environments and systems: resolution of requests and incidents, periodic reviews, creation of VMs, patching of vulnerabilities, SSH/RDP access and operation with Nagios, AMS, Veeam Backup, NetApp and VMware.

Junior Full Stack Developer — Curricular Internship | VBGroup

- End-to-end development of an internal OBT tool using Express.js, TypeScript, Cosmos DB, Azure Blob Storage, React, Vite, and Tailwind, integrating security, transactional emails, Git, and Agile/Scrum.

Code-XR — VS Code extension and IEEE VISSOFT 2025 article

- VS Code extension for XR visualization of code metrics, published in IEEE Xplore — DOI: 10.1109/VISSOFT67405.2025.00034 — and awarded the Distinguished Artifact Award at VISSOFT 2025. Project defended as a final degree project in v1.0.0, evolved to v1.1.0 and with 250+ public installations / 800+ registered downloads.
- *Official documentation: Marketplace · Zenodo Artifact*

Honors Degrees — LSMU (2025) and AST (2024) | URJC

- Academic recognitions in interface development, Android/Kotlin and object-oriented programming in C++, excelling in software design, component management and technical problem-solving.

Adyra Engineering Family Business - Technology Partner

- 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.



SKILLS AND COMPETENCIES

Skills

- **Languages:** 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), BabiaXR, ROS 2
- **Databases / Cloud:** SQL, PostgreSQL, Azure Cosmos DB, Azure Blob Storage
- **Systems / L2 Operations:** Linux, VMware, Nagios, AMS, Veeam Backup, NetApp, SSH/RDP
- **Tools:** Git, VS Code, Android Studio, Wireshark/nmap, OpenSSL/GPG, iptables/UFW
- **Other:** Prompt engineering (generative AI), use of different AI models, AI-assisted development (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**.