ABOUT ME

Telematics Engineer with a strong passion for networks and software development. Eager to tackle new challenges that foster personal and professional growth within the telecommunications industry.

MORE INFORMATION

- B driver's license
- Full availability

CONTACT

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LANGUAGES

Spanish:
Native

French:
Native

English:
Advanced level

Adam Zahir Rodríguez

Telematics Engineer

WORK EXPERIENCE

6G Networks Research Assistant
Universidad Carlos III de Madrid | February 2023 - Present

- Participated in European and national research projects, applying distributed ledger technologies (DLTs) to: (i) enable multi-domain network service federation (NSF) in virtualized environments, and (ii) enhance security in Multi-Agent Systems (MAS).

- Used Web3 programming tools to interact with Blockchain platforms and develop Smart Contracts, automating processes and enhancing security in both NSF and MAS operations.

- Participated in PoCs and demonstrations to validate project technologies, focusing on developing and implementing real-time E2E Digital Twin systems for robotics.

Bachelor's Thesis
Universidad Carlos III de Madrid | September 2022 - February 2023

- Conducted a research and development project focused on optimizing the autonomous navigation of a mobile robot using the ROS (Robot Operating System) framework.

- Offloaded mapping creation functionality to a remote edge server, optimizing both performance and system costs.

ACADEMIC BACKGROUND

Master's Degree in Information Systems Engineering
Universidad Rey Juan Carlos | September 2023 - June 2024

Bachelor's Degree in Telematics Engineering
Universidad Carlos III de Madrid | September 2019 - June 2023

PERSONAL SKILLS

- High learning capacity
- Productivity
- Excellent teamwork performance
- Commitment and motivation

PROFESSIONAL SKILLS

- Proficient with Blockchain, Smart Contracts, and Web3 technologies.

- Expertise in building and integrating robots using the ROS framework.

- Advanced knowledge of Linux environments and various programming languages.

- Skilled in using orchestration platforms in virtual environments, including Kubernetes, Docker Swarm, and Open Source MANO (OSM).