

JUAN EDGAR BALDELOMAR SALAZAR

Software Engineer · IoT & Cloud Platforms · Full Stack

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I am a Software Engineer at Sensing & Control Systems, S.L., with a B.Sc. in Computer Science from the Universitat Autònoma de Barcelona (UAB), specializing in Software Engineering, and a Master's degree in Data Science from the Universitat Oberta de Catalunya (UOC), specializing in Machine Learning. I have professional experience in Full-Stack Software Engineering, with a focus on cloud-native IoT platforms, backend development, and real-time data processing. In my current role, I work with technologies such as .NET, C#, React, and Microsoft Azure to develop and maintain IoT data platforms supporting real-time telemetry ingestion, processing, visualization, and AI/ML integration across R&D projects. My background combines software engineering, IoT, cloud computing, and data science, with a particular interest in applying Machine Learning and AI to real-world engineering and R&D applications.



CURRENT POSITION

Software Engineer — Sensing & Control Systems, S.L. (Intera Group), Barcelona · Apr 2024 – Present

Development and maintenance of a multi-tenant Azure-based IoT platform supporting real-time telemetry ingestion, processing, visualization and AI/ML integration across R&D projects.

PREVIOUS EXPERIENCE

Full-Stack Software Engineer — LeoProex, Barcelona · May 2023 – Apr 2024

Software Engineer / Software Developer Intern — Roche Diagnostics S.L., Sant Cugat · Mar 2022 – May 2023

EDUCATION

M.Sc. in Data Science, specialization in Machine Learning — UOC · 2022–2025

B.Sc. in Computer Science, specialization in Software Engineering — UAB · 2015–2021

PAPER

Paper ID: 358 **Title:** Digital and Live FMEA Framework with Knowledge Graphs for Anomaly-Based Decision Support in Software-Defined Connected Electric Vehicles