

CONTACT

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STRENGTHS

- Leading international teams
- Budget and resource ownership
- Stakeholder and client communication
- PMO, project control, reporting
- Data mining & analytics
- AI agents, LLM, MCP
- Product development from idea to operation

LANGUAGES

Spanish	Native
Catalan	Native
Italian	Native level
German	Fluent, business
English	Fluent, business

TECHNOLOGIES

MOBILE
Swift, Objective-C, Kotlin, iOS

BACKEND & WEB
C#/.NET 8, Blazor, Java/Spring, React, Go

DATA & AI
Python, pandas, Parquet/PyArrow, scikit-learn, XGBoost, LLM agents

OPERATIONS
PostgreSQL, Docker, Kubernetes, GitOps, CI/CD

Abel Serra San Valero

Project Lead · International Teams · Data Mining & AI

PROFILE

Project lead with more than 15 years in automotive and banking software. Since 2017 I have led international, cross-functional teams and owned budget, resources and stakeholders. What sets me apart: I combine leadership with technical depth. In the last twelve months I built two data-driven products on my own, with data pipelines, AI agents and operations on Kubernetes. With five languages I am the bridge between teams, clients and countries.

15+	2017	2	5
Years of experience	Project lead since	own products in 12 months	Languages

OWN PRODUCTS

Klarsicht · Data integration & analytics on top of D365

11.2025 – today

klarsicht.abelserra.com

A platform that sits as a layer on top of Microsoft Dynamics 365: a connector reads projects, time bookings, budgets and invoices live from D365, and on top of it runs an application for project leads, the PMO and management. D365 stays the single source of truth.

- Project cockpit with budget, margin and forecast, rule engine for bookings, proof of work in one click
- AI assistant with tools on real project data, actions only after human approval
- In production on Kubernetes with GitOps, single sign-on and each user's own D365 permissions

1,868 Commits **133** Releases **736** Tests **~15** D365 entities

Strategy Graveyard · Data mining

12.2025 – today

quant.abelserra.com

Research lab and automated trading system for US equities, from raw data through strategy hypotheses to the order at the broker, with a strict validation process.

- Data platform with more than 83 GB: minute bars for about 14,700 US stocks, earnings since 2010, factor library with 19.7 million rows
- Walk-forward tests, Bonferroni correction, locked out-of-sample period: 1 of 31 hypotheses statistically validated
- Automated execution against an Interactive Brokers paper account, AI agent scores new research papers

327 Commits **74,600** lines of Python **370** Tests

EDUCATION

2006 – 2008
Master in Computer Science
University of Seville, Spain · Software Engineering

2001 – 2006
Diploma in Computer Science
Polytechnic University of Valencia, Spain · Software Engineering

INDUSTRIES

Automotive (Mercedes-Benz, BMW, Audi)

Banking

Enterprise software and ERP

Financial markets and quant research

HOW I WORK

Agile teams, clear goals

Decisions based on data

Quality through tests and automation

AI-assisted development every day

EXPERIENCE

jambit GmbH, Munich
09.2017 – today

PROJECT LEAD / SENIOR SOFTWARE ARCHITECT

House bank project · ERP front-end replacement
09.2024 – 03.2025

PMO and support of project management

- Modernised the ERP front end with an integrated web interface, replacing the Citrix platform
- Project control, documentation, Excel reporting and Python tooling, alignment with finance

InCar Apps / NCP
09.2023 – 12.2024

Integrating the Mercedes-Benz online shop into the in-car app

- Integration into the InCar platform (NCP), proofs of concept, API integration

`Go` `QML` `C++/CMake`

MBAC App · Mercedes-Benz Advanced Control
09.2017 – 12.2024

Project lead

- Led a cross-functional, international team for seven years
- Remote control of vehicle functions such as climate, lights and audio

`Swift` `Kotlin` `Git`

Audi Fit Driver App
06.2017 – 08.2017

iOS app for stress reduction through bio-feedback

- Technical architecture, project lead, client communication

jambit GmbH, Munich · BMW Group
11.2011 – 08.2017

SENIOR IOS DEVELOPER / SOFTWARE ARCHITECT

BMW iRemote / My BMW Remote App
01.2014 – 06.2016

Remote vehicle control via iOS app, including an Apple Watch extension

- Middleware, map framework, unit tests

`Objective-C` `Swift` `XCTest`

Mobile Dienste App
06.2012 – 12.2013

Facebook, Twitter and web radio in the car

- iPhone connection via USB, control through the head unit

CE4A reference platform
11.2011 – 06.2012

Audi, BMW, Daimler, Porsche and VW under VDA supervision

- Developed a communication standard for in-car CE devices

`C/C++` `CORBA` `Bluetooth`

Polytechnic University of Valencia
2009 – 2011

RESEARCH SCIENTIST · JAVA DEVELOPER

EU research projects UniversAAL & Veritas

- Development with Java and OSGi, scientific publications