

EDUCATION

MANAGEMENT**MBA**

2013 | Henley Business School,
University of Reading, UK

MSc Business Management

2007 | Open Univ. Catalonia, Spain

MSc Market Research

2015 | Open Univ. Catalonia, Spain

TECHNICAL**MSc Telecom Engineering**

1996 | BarcelonaTech, Polytechnic
University of Catalonia, Spain

MSc Computer Science

2023 | University of Bath, UK

Distinction class. Dissertation: AI for
Aircraft Trajectory Prediction

AI Professional Program

2024 | Stanford Engineering, USA

XCS224N Natural Language
Processing with Deep Learning,
XCS234 Reinforcement Learning &
XCS236 Deep Generative Models

AI Graduate Certificate

2025 | Stanford Engineering, USA

CS229 Machine Learning,
CS230 Deep Learning,
CS224R Deep Reinforcement
Learning (+1)

CERTIFICATIONS

PMP PMI | Prince2 Practitioner |
ITILv3

Carnegie Mellon: Deep Learning

MIT: Data Science & ML

DeepLearning.AI: NN & Deep
Learning, Improving Deep NN,
Structuring ML Projects,
Convolutional NN, Sequence
Models, Deep Learning
Specialisation

ISC2: CISSP CSSLP CSSP

Linux Foundation: CKAD CKA CKS

Google Cloud: GCP-PMLE CGP-ACE
GCP-PCA

Amazon Web Services: AWS-SAA
AWS-SAP AWS-SOA AWS-DOP
AWS-ANS AWS-DVA

Microsoft: Azure Fundamentals

Oracle: OCA Java SE 8

CompTIA: Server+ Network+ Cloud+
LPIC-1

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Multidisciplinary professional, part strategist, part builder: bridging business strategy (MBA, Economist, Marketing) and advanced technical execution (Telecom Engineer, MSc Computer Science, expert in AI/ML, Cloud Native and Cybersecurity). Bringing value through technology by delivering mission-critical large-scale digital systems in several countries (Air Mobility Systems), innovating (ATM Digital Twin) and creating new capabilities for mission-critical systems (AI/ML).

EXPERIENCE

2024— AI Advisor | THALES DIGITAL FACTORY | Singapore

AI strategy, delivery and MLOps for Airspace Mobility Solutions and Thales Digital Factory. Automation of DevOps processes using AI. *CDO ML Prediction* paper [1] selected for SESAR Innovation Days. *Interaction-Free CDO through TOD Prediction* paper in Journal of Aircraft.

2024— Machine Learning & Reinforcement Learning Course**Facilitator | STANFORD UNIVERSITY ENGINEERING CENTER | USA**

Teaching Assistant @ Stanford's AI Professional Program XCS229 ML [3] & XCS234 RL [4].

2021— 23 Air Traffic Management Digital Twin Chief Product**Owner | THALES AIRSPACE MOBILITY SOLUTIONS | Singapore**

Ideated, designed and built the first Digital Twin in the Air Traffic Management domain. First live trials of Continuous Descent Operations in Singapore Changi airport. Three successful negotiations and funding rounds with the National Research Foundation of Singapore. *DG Award* 2022 (Outstanding) CAAS, Civil Aviation Authority of Singapore. *Minister's Innovation Award* 2022 (Distinguished Award), MOT, Ministry of Transport Singapore. *ATM Digital Twin* paper [5] selected for SESAR Innovation Days.

2020 Digital Infrastructure & Deployment Director | THALES AIRSPACE MOBILITY SOLUTIONS | Australia**2017— 19 Onesky Infrastructure & Deployment Project Director | THALES AIRSPACE MOBILITY SOLUTIONS | Australia****2016 Contract & PM Advisor | ADELTE | Spain & Pakistan****2016 Airport Systems Director | ULTRA ELECTRONICS | Brazil****2013— 15 Master Systems Integrator Muscat and Salalah Airports Project Director | ULTRA ELECTRONICS | Oman****2011— 12 Director Air Traffic Management & Airports India | INDRA SISTEMAS | India****2009— 10 Airport IT PM | INDRA SISTEMAS | Spain****2009— 10 IT Expert Counsel | BAKER & MCKENZIE | Spain****2002— 09 Programme Manager IT Systems, Integration & Security Barcelona Airport Expansion | AENA | Spain****2001— 02 Transportation IT Senior Consultant | ALG | Spain****2000 Supply Chain Management Researcher | IESE BUSINESS SCHOOL | Spain****1995— 99 Entrepreneur | GLOBALCOM & COMMFACTORY | Spain**