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Gabriel Mesquida Masana

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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

Machine Learning, Deep Learning, 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

Multidisciplinary professional, part strategist, part builder: bridging business strategy (MBA, Economist, Marketing) and advanced technical execution (Telecom Engineer, MSc Computer Science, full stack 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) and innovating (ATM Digital Twin).

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
Stanford's AI Professional Program Teaching Assistant for 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