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# Gabriel Mesquida Masana

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## TL;DR

### EDUCATION

#### MSc Telecom Engineering

1996 | BarcelonaTech, Polytechnic University of Catalonia, Spain

#### MSc Business Management

2007 | Open Univ. Catalonia, Spain

#### MBA

2013 | Henley Business School, University of Reading, UK

#### MSc Market Research

2015 | Open Univ. Catalonia, Spain

#### MSc Computer Science

2023 | University of Bath, U.K.

Distinction class. Dissertation: AI for Aircraft Trajectory Prediction

#### AI Professional Program

2024 | Stanford Engineering, U.S.A.

Natural Language Processing with Deep Learning, Reinforcement Learning &amp; Deep Generative Models

#### AI Graduate Certificate

In progress | Stanford Eng., U.S.A.

Machine Learning, Deep Learning, Deep Reinforcement Learning (+1)

### CERTIFICATIONS

PMP PMI | Prince2 Practitioner | ITILv3

Carnegie Mellon: Deep Learning

MIT: Data Science &amp; ML

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

ISC2: CISSP CSSLP CSSP

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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 with strong business acumen (MBA, Economist, Marketing) and deep technical expertise (Telecom Engineer, MSc Computer Science, full stack in AI, Cloud Native and Cyber). Bringing value through technology by delivering mission-critical large-scale digital systems in several countries (Air Mobility Systems) and creating innovative products (ATM Digital Twin).*

### EXPERIENCE

#### 2024 AI ADVISOR | THALES DIGITAL FACTORY | Singapore

AI strategy, industrialisation and MLOps for Airspace Mobility Solutions and Thales Research and Technology. Two papers [1] [2] selected for SESAR Innovation Days.

#### 2024 XCS229 MACHINE LEARNING COURSE FACILITATOR | STANFORD ENGINEERING CENTER FOR GLOBAL & ONLINE EDUCATION | USA

#### 2021 – 24 CHIEF PRODUCT OWNER AIR TRAFFIC MANAGEMENT

#### DIGITAL TWIN | 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 (MI) Award 2022 (Distinguished Award), MOT, Ministry of Transport Singapore.

#### 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 PROJECT DIRECTOR MC6 MASTER SYSTEMS INTEGRATOR

#### MUSCAT AND SALALAH AIRPORTS | 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 TRANSPORT IT SENIOR CONSULTANT | ADVANCED

#### LOGISTICS GROUP | Spain

#### 2000 SUPPLY CHAIN MANAGEMENT RESEARCHER | IESE BUSINESS SCHOOL | Spain

#### 1995 – 99 ENTREPRENEUR | GLOBALCOM & COMMFACTORY | Spain