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 & 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 & 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 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 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