

### Emerging New ICT Professional Role Profiles

Role	Description
AI Specialist	Guides the process of application and identification of AI algorithms, supervises the training activities of the algorithms, identifies the qualitative metrics for the evaluation of the achieved accuracy
Big Data Specialist	Guides the process of identification and application of architectures for the management of structured and unstructured data; identifies and defines the technical requirements for an effective data processing pipeline; identifies strategies to extract value from data for the organisation's business
Blockchain Specialist	Leads the process of defining a distributed architecture based on blockchain, develops and defines the protocol for proof-of-work on blockchain
Cloud Computing Specialist	Guide and support the company during the process of migrating data from on-premises to the cloud; guarantees the identification of the most appropriate cloud technologies with respect to business needs
Cybersecurity Specialist	Responsible for protecting computer systems from external threats and data loss; identifies risks for data theft and loss, develops solutions for addressing vulnerabilities, and deploys countermeasures to respond when cyber-attacks occur.
IoT Specialist	Organise and model data received from various sources, devices, and sensors; supports the organisation in defining IoT services; He is responsible for the creation and identification of the IoT architecture of the company
Mobile Specialist	Implements and maintains corporate services delivered on a mobile platform
Robotics Specialist	Defines semi-automatic robotic systems to improve company production efficiency and security of data; documents and integrates the robotic systems developed with the organisation's IT systems