

Job Description **AI Specialist**

Position Code **CAL299**

Reports to	CIO
Location	Malta/Israel
Position Overview	The AI Specialist will play a pivotal role in leveraging Artificial Intelligence (AI) and Machine Learning (ML) technologies to enhance business intelligence, data analysis, and IT processes. The role involves collaborating with IT, business intelligence, and operational teams to develop AI-powered solutions, optimize data workflows, and drive automation. The ideal candidate will have a strong background in AI/ML, data science, and programming, with a passion for innovation and continuous improvement.
Responsibilities	• AI & Machine Learning Development ○ Design, develop, and implement AI/ML models to support business intelligence and automation. ○ Utilize natural language processing (NLP), computer vision, and predictive analytics for advanced insights. ○ Optimize and fine-tune AI models to ensure accuracy, performance, and scalability. ○ Develop AI-driven solutions for IT process automation and decision support systems. • Data Analysis & Modeling ○ Collaborate with business stakeholders to understand AI and data-related requirements. ○ Develop and maintain data models to support AI applications and analytics. ○ Ensure data integrity, accuracy, and consistency in AI-driven solutions. • AI Integration & Automation ○ Implement AI-powered automation to streamline IT operations and business workflows. ○ Integrate AI models with existing business intelligence platforms (e.g., Qlik, Power BI, Tableau). ○ Work with IT and software teams to embed AI capabilities in business applications. • Performance Optimization ○ Partner with IT, data engineers, and business units to identify AI-driven improvements. ○ Provide training and guidance to teams on AI/ML best practices and applications. ○ Stay updated on emerging AI technologies and trends to drive innovation. • Performance Optimization & Security ○ Monitor and improve AI model performance, ensuring efficient resource utilization. ○ Implement security and ethical AI principles, ensuring compliance with industry standards. ○ Identify and resolve potential bottlenecks in AI and data processing workflows.



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Requirements	• Experience & Education ○ Bachelor's degree in Computer Science, Artificial Intelligence, Data Science, or a related field. ○ 3-5 years of experience in AI/ML, data science, or software development roles. ○ Hands-on experience with AI frameworks (e.g., TensorFlow, PyTorch, Scikit-learn). ○ Proficiency in programming languages such as Python, R, or Java. ○ Strong knowledge of SQL and database systems. • Technical Skills ○ Experience with AI/ML model development, training, and deployment. ○ Understanding of cloud-based AI platforms (e.g., AWS SageMaker, Azure AI, Google AI). ○ Knowledge of data engineering, ETL processes, and API integrations. ○ Familiarity with big data technologies (e.g., Hadoop, Spark) is a plus. • Soft Skills ○ Strong analytical and problem-solving abilities. ○ Effective verbal and written communication skills. ○ Ability to work collaboratively in a cross-functional team environment. • Preferred Skills ○ Experience with ITIL and ISO best practices. ○ Expertise in AI ethics and responsible AI implementation. ○ Knowledge of additional BI tools (e.g., Qlik, Tableau, Power BI). ○ Familiarity with DevOps and MLOps practices for AI model deployment.
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