



## CONTACT

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## EXPERTISE

GenAI / LLM (GPT-4, Llama, RAG, LangChain) Enterprise AI Platforms (Milvus, Django) Computer Vision (YOLO, ResNet, Segmentation)  
Predictive Maintenance (XGBoost, LSTM) Microservices (Docker, MongoDB, K8s) Statistical Modelling & Analytics  
Process Automation & IoT Python, PyTorch, TensorFlow

## CERTIFICATIONS

### ITIL 4 Master

VERIFIED EXCELLENCE

### PRINCE2 Agile Expert

VERIFIED EXCELLENCE

### Stanford: Probabilistic Graphical Models

VERIFIED EXCELLENCE

### IBM: Advanced Data Science

VERIFIED EXCELLENCE

### SAS: Advanced Analytics

VERIFIED EXCELLENCE

### Professional Scrum Master II

VERIFIED EXCELLENCE

## LEADERSHIP

- AI Strategy & DX Leadership
- Public Speaking
- Cross-functional Team Management
- Strategic Planning
- Stakeholder Management
- Critical Problem Solving

# MARCIN STASKO

AI/DX Manager • ITIL 4 Master • AI Strategist

AI/DX Manager at LG Energy Solution with extensive experience in digital transformation, AI implementation, and research. **Spearheading the development of production-grade AI platforms, predictive maintenance systems, and Computer Vision solutions.** Expert in bridging technical execution with strategic leadership, delivering over \$30M in validated cost savings.

## PROFESSIONAL EXPERIENCE

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### AI/DX Manager

2021 - Present

#### LG Energy Solution — Wrocław, Poland

Spearheading digital transformation and AI strategy for LG 4.0 initiatives. Leading cross-functional teams of data scientists and engineers to deliver production-grade AI solutions.

- Architected and deployed a secure, scalable Enterprise AI Platform using **Milvus** (vector DB) and **Django**, enabling rapid **GenAI** integration with **RAG** architectures.
- Led end-to-end **Predictive Maintenance (PdM)** systems from ideation to factory-wide deployment, utilizing **XGBoost** and **LSTM** models to reduce unplanned downtime significantly.
- Spearheaded **Computer Vision** initiatives for automated defect detection, implementing **YOLOv8** and **ResNet** architectures for real-time inference on edge devices.
- Developed APAS (Advanced Process Analysis System) for manufacturing optimization, delivering high-impact insights directly to executive leadership using **statistical modeling**.
- Implemented **LLM-based** productivity tools, including internal support chatbots and automated document processing systems using **LangChain** and **OpenAI GPT-4**.
- Managed project lifecycles using YouTrack API integrations for advanced analytics and resource tracking.
- Represented the organization as a keynote speaker at international AI and Industry 4.0 conferences.

### Senior Data Scientist

2020 - 2021

#### LG Energy Solution — Wrocław, Poland

- Awarded LG Six Sigma Black Belt for a project delivering \$28M in validated annual cost savings.
- Automated large-scale SAS-based reporting workflows, achieving 25,000+ hours of yearly productivity gains.
- Developed complex ML models for interprocess correlation analysis to optimize battery production yield.
- Engineered automated data pipelines that transformed manual reporting into real-time dashboards.

### Senior Engineer

2018 - 2020

#### LG Chem — Wrocław, Poland

- Led Six Sigma Green Belt project resulting in \$2.3M annual savings through process optimization.
- Expert in Electrode and Cell Assembly Formation, specializing in chemical process root cause analysis.
- Coordinated research projects on purification and cleaning applications for battery manufacturing.

### AI Strategy Consultant

2017 - Present

#### Freelance / Global Clients — Global

- Delivered AI strategy and technical implementation for 50+ projects across 16 countries.
- Provided over 3,000 hours of high-level consulting in AI integration, architecture, and DX roadmap development.

### Expert Witness

2018 - 2023

#### District Court, Opole — Opole, Poland

- Appointed as a judicial expert in toxicology and forensic chemistry.
- Provided authoritative scientific analyses and expert testimony for complex legal cases.

## RESEARCH

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### Research Intern

2016

Karolinska Institutet

Focus on medical biochemistry and biophysics, specializing in protein labeling techniques.

### Researcher

2015

University of Graz

Conducted and published research on enzymatic synthesis in international peer-reviewed journals.

### Research Intern

2014

Polish Academy of Sciences

Synthesized novel fluorescent probes for advanced enzymatic assay applications.

## EDUCATION

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### Master's in Chemistry

2014 - 2017

#### Opole University

Emphasis on steroid hormones biotransformation and oxidative enzyme activity. President of the Chemical Association.

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Wyrażam zgodę na przetwarzanie moich danych osobowych dla potrzeb niezbędnych do realizacji procesu rekrutacji zgodnie z Rozporządzeniem Parlamentu Europejskiego i Rady (UE) 2016/679 z dnia 27 kwietnia 2016 r. w sprawie ochrony osób fizycznych w związku z przetwarzaniem danych osobowych i w sprawie swobodnego przepływu takich danych oraz uchylenia dyrektywy 95/46/WE (RODO).

I agree to the processing of personal data provided in this document for realising the recruitment process pursuant to the Personal Data Protection Act of 10 May 2018 (Journal of Laws 2018, item 1000) and in agreement with Regulation (EU) 2016/679 of the European Parliament and of the Council of 27 April 2016 on the protection of natural persons with regard to the processing of personal data and on the free movement of such data, and repealing Directive 95/46/EC (General Data Protection Regulation).

Additionally for Asia region: Personal Data Protection Act and the company's data protection policy.