



## **MARCIN STASKO**

Wrocław, Poland | [marcin.staskopl@gmail.com](mailto:marcin.staskopl@gmail.com) | [linkedin.com/in/marcinstasko](https://www.linkedin.com/in/marcinstasko)  
Medium: [@marcin-staskopl](https://www.medium.com/@marcin-staskopl) | Website: [s4p.eu](http://s4p.eu)

### **PROFESSIONAL SUMMARY**

AI Digital Transformation Manager at LG Energy Solution with extensive experience in digital transformation, AI implementation, and research. Proven leader in building and managing cross-functional teams developing predictive maintenance systems, computer vision solutions, and large language model applications. Expert in both technical execution and strategic leadership of AI projects, with a strong track record delivering significant cost savings and operational efficiency through innovative AI-driven solutions. Experienced keynote speaker at international conferences. ITIL Master and PRINCE2 Agile Expert certifications.

### **PROFESSIONAL EXPERIENCE**

#### **AI Digital Transformation Manager**

*LG Energy Solution | Wrocław, Poland | January 2021 – Present*

- Built and lead digital transformation teams to support LG 4.0 transformation initiatives
- Managed cross-functional teams including data scientists, engineers, and analysts
- Led end-to-end predictive maintenance projects from ideation to full-scale deployment
- Developed advanced computer vision systems for automated defect detection using supervised and unsupervised learning
- Implemented quality control and anomaly detection systems for manufacturing lines
- Designed and deployed secure and scalable AI platform with Milvus vector database and Django web application interface
- Architected modular microservices solutions using Docker and MongoDB for flexible deployment

- Delivered multiple process-optimizing applications including chatbots for internal support and process querying
- Created automated document processing and workflow automation systems
- Implemented meeting transcription and documentation systems
- Created custom project analysis tool leveraging YouTrack API for advanced project management insights
- Represented LG Energy Solution at international conferences providing keynote speeches and expert presentations

### **Senior Data Scientist**

*LG Energy Solution | Wrocław, Poland | January 2020 – December 2021*

- Automated SAS-based report generation reducing manual workload significantly
- Led machine learning and deep learning implementations for complex interprocess correlations
- Project Lead for LG Six Sigma Black Belt Project achieving \$28M in cost savings
- Achieved 25,000+ hours of yearly productivity improvement through data workflow automation
- Designed and developed APAS (Advanced Process Analysis System) for manufacturing process optimization
- Presented APAS system directly to LG Chem CEO

### **Senior Engineer**

*LG Chem | Wrocław, Poland | January 2018 – December 2020*

- Conducted advanced manufacturing process analyses and defect root cause analyses
- Specialized in Electrode and Cell Assembly Formation for battery manufacturing
- Led research projects on chemical process optimization for purification and cleaning applications
- Project Lead for Six Sigma Green Belt Project saving \$2.3M annually

### **Consultant (Freelance/Part-time)**

*Independent | Global | January 2017 – Present*

- Provided AI strategy, development, and integration consultations for global clients
- Completed 50+ consulting projects across 16 countries totaling over 3,000 hours
- Delivered AI implementation strategies and technical solutions for diverse industries

### **Expert Witness**

*District Court, Opole | Opole, Poland | January 2018 – December 2023*

- Specialized in toxicology and forensic chemistry casework
- Delivered analyses on substance interactions, poisonings, and consumer product safety
- Provided expert testimony in legal proceedings

## RESEARCH EXPERIENCE

### Research Intern

*Karolinska Institutet | Stockholm, Sweden | 2016-2016*

- Conducted research in medical biochemistry and biophysics
- Specialized in protein labeling research methodologies

### Researcher

*University of Graz | Graz, Austria | 2015-2015*

- Published research on enzymatic synthesis
- Contributed to academic publications in chemistry field

### Research Intern

*Polish Academy of Sciences | Warsaw, Poland | 2014-2014*

- Developed novel fluorescent probes for enzymatic assay applications
- Contributed to advanced research in analytical chemistry

## EDUCATION

### Master of Science in Chemistry

*Opole University | Opole, Poland | 2014 – 2017*

- President, Chemical Association
- Master's Thesis: Steroid hormones biotransformation and oxidative activity of selected enzymes

### Bachelor of Science in Chemical and Process Engineering

*Opole University of Technology | Opole, Poland | 2010 – 2014*

- Individual Study Programme
- Thesis: Analysis of polycyclic aromatic hydrocarbons (PAH) in exhaust gases from biomass combustion

## TECHNICAL SKILLS

### Artificial Intelligence & Machine Learning:

- Machine Learning and Deep Learning
- Computer Vision and Image Analysis
- Predictive Maintenance Systems
- Large Language Models (LLM)
- Neural Networks
- Statistical Modelling and Advanced Analytics

### **Data Science & Analytics:**

- High-dimensional Machine Learning
- Interprocess Correlation Analysis and Optimization
- Data Workflow Automation
- Advanced Analytics
- SAS Programming
- Statistical Analysis

### **Technology & Infrastructure:**

- Microservice Architecture
- Docker Containerization
- MongoDB Database Management
- Milvus Vector Database
- Django Web Application Development
- IoT AI Analysis
- Secure AI Platform Development

### **Specialized Systems:**

- Abnormality Detection Systems
- Quality Control Systems
- Anomaly Detection
- Defect Detection Systems
- Visual Inspection Systems
- Process Optimization

### **CERTIFICATIONS**

- ITIL 4 Master
- PRINCE2 Agile Expert
- Professional Scrum Master II
- Stanford University: Probabilistic Graphical Models
- IBM: Advanced Data Science Certificate
- SAS: Advanced Analytics Certification

### **SOFT SKILLS**

- Leadership & Management: Team Management, Cross-functional Leadership, International Team Leadership
- Communication: Public Speaking, Keynote Presentations, Industry Conference Speaking
- Strategic Thinking: Visionary Thinking, Strategic Planning, Digital Transformation Leadership
- Problem Solving: Critical Thinking, Conflict Management, Stress Handling
- Project Management: End-to-end Project Leadership, Six Sigma Methodologies

## LANGUAGES

- Polish: Native
- English: C1 (Advanced)
- Latin: B1 (Intermediate)

## PUBLICATIONS & RESEARCH IMPACT

### Professional Publications

- Towards Data Science Series: Articles on predictive maintenance focusing on advanced signal processing and anomaly detection
- LinkedIn Publications: Multiple articles on AI-based security strategies and digital transformation
- Medium Articles: Technical content on AI implementation and data science methodologies

### Academic Publications

- ChemSusChem Journal: Research on enzymatic synthesis
- Conference Presentations: International conference presentations on AI and digital transformation

### Research Impact

- Publications cited and featured on both academic and industry platforms
- Recognized for innovative approach and measurable outcomes in AI implementation
- Contributions to advancement of predictive maintenance and computer vision technologies

## ACHIEVEMENTS & AWARDS

- LG Six Sigma Black Belt Project: \$28M cost savings achievement
- Six Sigma Green Belt Project: \$2.3M annual savings
- Productivity Improvement: 25,000+ hours yearly productivity improvement through automation
- International Recognition: Keynote speaker at multiple international conferences
- Research Excellence: Published researcher with academic and industry recognition

## DATA PROTECTION COMPLIANCE

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 realizing 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.

*This CV is tailored for Applicant Tracking Systems (ATS)  
For more details please visit [s4p.eu](http://s4p.eu)*