

Mateusz Idziejczak

AI/ML Principal Software Engineer

Email: mateusz.idziejczak@gmail.com • LinkedIn: <https://linkedin.com/in/mateusz-idziejczak-a2aa65248> •

Location: Poznan, Poland

SUMMARY

Highly experienced AI/ML Principal Software Engineer with over 8 years of expertise in designing, building, and deploying complex, production-grade software systems. Proven ability in transforming machine learning prototypes into scalable, high-performance applications. Proficient in a wide range of technologies including Python, Java, AWS, Kubernetes, and modern CI/CD practices. Seeking to leverage deep knowledge of software engineering and AI to build cutting-edge solutions in the medical industry.

EXPERIENCE

Senior AI Developer

Google

2019 - Present

- Led the design and development of reliable, scalable software solutions that incorporate advanced machine learning models for production environments.
- Worked closely with data scientists and ML engineers to transform experimental prototypes into fully operational, production-grade systems on AWS.
- Contributed to key architectural decisions, infrastructure planning, and the selection of development tools, focusing on backend technologies like Python (Flask) and Java (Spring Boot).
- Utilized containerization (Docker) and orchestration (Kubernetes) to build and manage microservices architecture, and established robust CI/CD pipelines for automated testing and deployment.

Software Engineer

Innovatech Poland

2016 - 2019

- Developed and sustained full-stack applications with a focus on backend infrastructure using Node.js and user-facing applications with Angular.
- Gained extensive experience in applying industry best practices for automated testing, continuous integration, and system observability.
- Contributed to the team's migration to a cloud-native environment, gaining foundational expertise with AWS services and scalable architecture.

PROJECTS

TaxGPT - Automated Tax Declaration System

2022 - Present

- Independently developed a full-stack AI-powered application to automate the process of filling out and submitting Polish tax declarations.
- Engineered the backend using Python and Flask, integrating machine learning models for data extraction and form completion.
- Deployed the system on a cloud-based infrastructure, demonstrating practical skills in bringing an ML application from concept to a functional tool.

Cloud-Native ML Deployment Pipeline

2021

- Architected and implemented a comprehensive CI/CD pipeline on AWS for automatically training, versioning, and deploying machine learning models.

- Leveraged Kubernetes for orchestration and Docker for containerization, significantly reducing deployment time and improving system reliability.

High-Performance Backend for a User-Facing Application

2020

- Led the development of a secure and maintainable backend infrastructure using Java with Spring Boot for a high-traffic application.
- Focused on performance optimization and system security, resulting in a 30% improvement in response times and zero security breaches.

TECHNICAL SKILLS

Cloud & DevOps

AWS Docker Kubernetes CI/CD Scalable Cloud Architecture

Backend

Python Java Node.js Golang Spring Boot Flask Django

Frontend

Angular React

Machine Learning

Production ML Systems ML Model Deployment ML Prototyping

EDUCATION & QUALIFICATIONS

M.Sc. in Computer Science, Specialization in Artificial Intelligence, Poznan University of Technology - 2014 - 2016

B.Sc. in Computer Science, Poznan University of Technology - 2011 - 2014

Awards

- Google Performance Award for Excellence in AI Systems Engineering, 2021

Languages

- **Polish:** Native
- **English:** Fluent