



Trusted Software Development Partner For Your AI/ML Projects

# About us

- We are a software development and on-demand team augmentation service provider.

- An AI development studio composed of PhD. level mathematicians, AI experts, software developers and business professionals.

- Since 2016 we have employed the latest AI technologies to transform our clients' businesses.

In 2021 we acquired GoodAI Solutions, a renowned AI solution provider.



# Our Services

- 01 software development
- 02 dedicated teams
- 03 team augmentation

# Our Expertise

## Artificial Intelligence / Machine Learning

Deep Learning | Neural Networks | ML Algorithms | Real-Time Visual Data Processing

## Intelligent Automation

End-to-End Business Process Automation | AI & RPA | Complex Data AI Analytics

## Cloud Solutions

Cloud Applications Development & Big Data Solutions | Microservices Architecture

## Data Analytics

Big Data Analytics | Real-Time Video Analytics | Predictive Analytics



# Use Cases



## Process Automation

Integration of hundreds of third-party APIs into customer process automation platform

We provided a managed team of developers with skillsets of client's choice and an additional QA team

Integration – Restful API – Frontend – JavaScript



## Traffic Video Analytics

Smart City software solution for a European system integrator

We provided a customized solution for traffic analysis including DNN model optimization for edge devices

Real-Time Analytics – Pattern Recognition – Anomaly Detection

# Use Cases



## Web Platform Visual Search

Similar product image search for European online furniture sale aggregator  
We provided design and development of separate microservices for client's Kubernetes infrastructure  
Neural Network Model – Microservices – Platform Integration



## AI Video Analytics for Retail

Improving performance, reliability and processing speed  
We provided an AI/ML expert team of real-time object detection pipeline for multi camera environment  
Real-Time Object Detection & Tracking – Behavioural Analysis – NVIDIA DeepStream SDK

# Use Cases

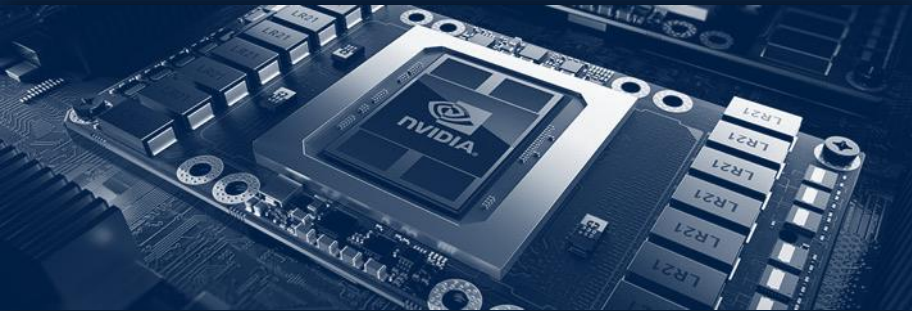


## Automated Visual Inspection in Production

Detection and classification of surface anomalies in mass production

We provided services to improve system performance and speed of processing

Neural Network Model – Anomaly Detection – Anomaly Classification – Integration



## Implementation of High-Performance AI Solution

DNN models optimization, quantization & deployment to NVIDIA AI infrastructure

We provided a customized solution enabling high performance inference on NVIDIA GPUs

Neural Network Model Quantization– NVIDIA TensorRT– NVIDIA DeepStream SDK



# Use Cases



## NLP Document Classifier

Analyzing thousands of documents a day, classifying and storing them in a database

The tool scans a document's content and stores it in a database according to predefined categories

Neural Network Model – NLP - Microservices – Cloud Platform Integration



## Speech Enabled Case Reporting

Processing unstructured input data from emails or phone calls

Customizable mobile ICSR solution that allows you to use speech to text in multiple languages

Neural Network Model – Speech to Text – Cloud Platform Integration – JavaScript frameworks

# Use Cases



## World's First Diamond Selection Tool

An automated process of selecting diamonds based on visual appeal and price  
We have created a virtual assistant which performs better than most of the world's diamond experts  
Neural Network Model – Integration of Data Scraping and Google Cloud



## Sound Analyzer for Predictive Maintenance

An app that can diagnose the problem of a car by analyzing its sounds  
98% accuracy after training on extremely small data sets of only a few sound samples  
Neural Network Model – MS Azure Cloud Platform Integration – Mobile App

# Use Cases

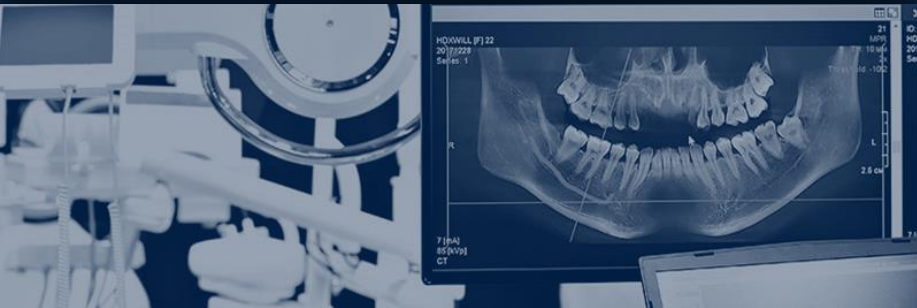


## Monitoring pigs in real time

Use of on-farm video camera data to monitor the health of pigs

We made it possible for the client to monitor the condition of individual pigs based only on a video feed

Real-Time Object Detection & Tracking – Behavioural Analysis – Pattern Recognition



## Identifying dental problems using a smartphone

Automatic monitoring of patient's teeth based on a series of photographs

Patient tracking based on a series of photographs and projections of their jaws

Neural Network Model – Anomaly Classification – Object Detection

# Our clients

**ŠKODA**  
AUTO DigiLab

 innogy



  
THE DIAMOND PRO

  
smartplan

SANITINO

 Camvi  
Technologies

  
formerly Integromat

 GREENLIGHT

JHV

simac  




 PolySearch

 arriello

 peoly

- peoly is also a member of Microsoft, Google Cloud and Nvidia partner programs.



Microsoft



**nVIDIA**®

Google



# Leadership Team



Petr  
CEO



Jaroslav  
CTO



Stepan  
Head of AI



Inna  
Recruitment Manager



Jakub  
Business Dev. Manager



Artjom  
AI/ML Team Lead



Roman  
Senior Data Scientist



Valeria  
Front-End Dev. Lead



Olexii  
Dev. Team Lead



Oleksandr  
Integration Team Lead

# Our Locations

## **CZECH REPUBLIC**

Dejvicka 306/9, 160 00 Prague 6  
Czech Republic – EU

## **UNITED STATES**

44 Tehama St.  
San Francisco, CA 94105

## **UKRAINE**

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79000 Lviv, Ukraine

## **UKRAINE**

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# Contact

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