

# **CASE STUDIES**

# **ONWELO**

# **MICROSERVICES**

# **LAB**



**Client:**

German start-up creating a platform for interbank communication

**Product / Service:**

DevOps services

**Industry:**

Financial

**Goal:**

- To design, develop and maintain a platform based on public cloud, OpenShift cluster, Docker and CI/CD automation tools
- To support a team of developers in developing tools that provide the required functionality

## Challenges and **problems**

- ★ Adapting to the requirements of a very high level of security
- ★ Application of new technologies and tools that have not been tested in practice yet
- ★ International character of the project, multiculturalism and multilingualism (Polish, German, English)
- ★ Maintenance service — ensuring the adequate stability and performance of the platform



## Tasks

- ★ Analyzing the current state of the platform being developed
- ★ A thorough reconstruction of architecture
- ★ Ensuring full automation of implementation processes
- ★ Migrating the current state to a newly built platform
- ★ Participating in platform development
- ★ Platform development and continuous modifications



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**Client:**

A Polish company handling claims mainly in the financial sector

**Product / Service:**

DevOps services

**Industry:**

Debt collection

**Goal:**

- To design, develop and maintain a platform based on private cloud, Mesos cluster, Docker and CI/CD automation tools
- To prepare an Oracle database platform
- To support a team of developers in developing tools that provide the required functionality
- To maintain the entire platform in the Managed Services model

## Challenges and **problems**

- ★ High level of project complexity — client's high expectations
- ★ Compliance with legal regulations
- ★ Ensuring a high level of platform security
- ★ Compliance with the requirements of GDPR
- ★ Application of new technologies and tools that have not been tested in practice yet

## Tasks

- ★ Designing the platform's architecture in accordance with the client's business requirements
- ★ Building a platform using Mesos, Marathon, Docker, Jenkins, NGINX, and Elasticsearch tools



- ★ Designing and developing database structures based on the Oracle database engine
- ★ Ensuring full automation of implementation processes
- ★ Participating in platform development
- ★ Platform maintenance and continuous modifications
- ★ Monitoring IT resources and controlling business processes



**Client:**

An international start-up operating in the banking sector

**Product / Service:**

DevOps services

**Industry:**

Financial

**Goal:**

- To design, develop and maintain a platform based on public Google Cloud, Kubernetes cluster, Docker, Terraform, Ansible, Kafka and CI/CD automation tools
- To prepare the Oracle database platform
- To support a team of developers in developing tools that provide the required functionality
- To maintain the entire platform in the Managed Services model

## Challenges and **problems**

- ★ High level of project complexity — client's high business expectations
- ★ No specific technology stack — needed to conduct a large number of PoCs (long Research and Development process)
- ★ Compliance with regulations of the international banking law
- ★ Ensuring a high level of platform security
- ★ Compliance with the requirements of GDPR
- ★ Application of new technologies and tools that have not been tested in practice yet



## Tasks

- ★ Designing the platform's architecture in accordance with the client's business requirements
- ★ Building a platform using Kubernetes, Docker, Terraform, NGINX, Elasticsearch, and Kafka tools
- ★ Ensuring full automation of implementation processes
- ★ Participating in platform development
- ★ Maintaining the Google Cloud environment
- ★ Maintaining the developed platform and continuous modifications
- ★ Monitoring IT resources and controlling business processes



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