



Innovative Platform for Online Cargo Logistics

Infopulse reduced time to market and costs by 3 times
from the original planning

Industry: Logistics & Supply Chain

Location: Ukraine

Employees: 50+



Innovative Platform for Online Cargo Logistics

Business Challenge

Developing an innovative platform for online cargo logistics from the scratch. The detailed documentation of the system. Analyzing the market to understand the product's value and how it should work. Delivering the platform in the short deadline.

Solution

The whole life cycle development services. Creating a complex system for the client. Deployment of infrastructures for development, testing, and preproduction. Microservices architecture to make the solution flexible and scalable.

Business Value

Online service that enables customers and freight trucking providers communicate without intermediaries, make transparent deals, and track the transport and cargo online. Reduced time-to-market and costs by 3 times from what was originally projected.

Technologies:



Cordova framework



Java



AngularJS



Bootstrap



Jenkins



Maven



Docker



PostGIS



PostgreSQL

Client Background

[A2B.Direct](#) is an international platform, which provides a direct interaction between a freight forwarder and cargo owner across all stages of cargo delivery. At the moment, there are no equivalent platforms for the bulk cargo deliveries in the CIS market. A2B.Direct provides advanced search for a preferable transport contractor, direct communication and direct deals with no need to engage intermediaries.

Business Challenge

A2B.Direct had a great business idea of an innovative logistics platform for bulk cargo delivery and required help of a reliable software provider for its implementation. They needed a partner able to deeply understand the domain, solve problems efficiently, and take end-to-end responsibility for the quality and performance of the software product.

After a careful preselection procedure, the customer chose Infopulse to develop the platform from the scratch. Infopulse had to analyze the market to understand the product's value and the way the whole system should function. The team had to prepare the detailed technical documentation of the system so that the customer could easily support the system after the project delivery.

The deadline to accomplish all the solutions was stiff and challenging as well. The project started in May and had to be launched in early autumn. To deliver the platform in time, the team had to work almost 24/7.

Solution

Infopulse developed a state-of-the-art platform that has the following features:

- Direct communication and contracts between trucking providers and cargo owners
- Direct logistics and workflow
- Integrated real-time online GPS tracking of a transport and cargo
- Availability across web and mobile (iOS and Android apps) platforms

Infopulse was responsible for the whole life cycle product development including:

- Business analysis;
- UI/UX;
- Architecture;
- Development (Java, AngularJS);
- Quality assurance;
- Project management;

The system is based on:

- Cordova framework – an open-source mobile development framework used for maps implementation (Google, Bing, OpenStreetMap);
- PostGIS and PostgreSQL – an open-source software program and object-relational database for information about location and mapping storing, and querying;
- Java for back-end development;
- AngularJS and Bootstrap frameworks for the front-end;
- Jenkins and Maven – open-source solutions for continuous integration;
- An open-source platform Docker for containerization.

The team implemented a complex system for the client and provided microservices architecture to make the solution flexible and scalable.

The security of the web service was provided by HTTPS and two stages of authorization. Infopulse was also responsible for the 3rd line support to avoid errors that might occur.

Business Value

The customer received a reliable platform for the bulk cargo deliveries that has no equivalents at the CIS market.

Since the official launch in Ukraine, the A2B.Direct service has already demonstrated good results: approximately 1,500 customers already engaged 1,800+ carriers to deliver over 2,700 cargos, with a total distance of over 870,000 kilometers covered.

There were also specific implementations that carried the extra value for the customer:

- By using open source solutions, Infopulse **reduced time to market and costs by 3 times** from what was originally projected.
- Infopulse delivered a unified system that is easy to support and enhance by involving any third party vendors.

**Customer quote**

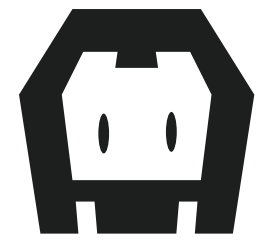
Infopulse is a reliable partner of A2B.Direct that developed and helped us launch an innovative B2B freight-trucking platform. The services, supplied by Infopulse for our company, cover the whole lifecycle of application development: business analysis, project management, architecture, frontend (the web and mobile apps) and backend development, UI/UX design, QA, maintenance, support, and more.

We strongly recommend Infopulse as a highly experienced, competent and innovative services and solutions provider.

Artem Makieiev

Ex-CEO

Technologies



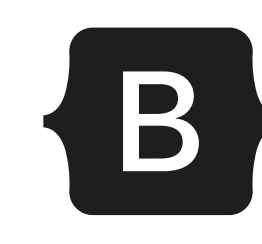
Cordova framework



Java



AngularJS

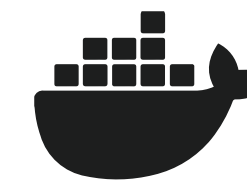


Bootstrap



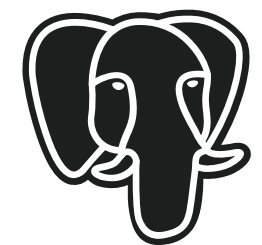
Jenkins

Maven Maven



Docker

PostGIS PostGIS



PostgreSQL



About Infopulse

Infopulse, part of the leading Nordic digital services company Tietoevry, is an international vendor of services in the areas of Software R&D, Application Management, Cloud & IT Operations, and Cybersecurity to SMEs and Fortune 100 companies across the globe. Founded in 1991, the company has a team of over 2,300 professionals and is represented in 7 countries across Europe and the Americas.

Infopulse is trusted by many established brands, such as BICS, Bosch, British American Tobacco, Credit Agricole, Delta Wilmar, ING Bank, Microsoft, Offshore Norge, OLX Group, OTP Bank, SAP, UkrSibbank BNP Paribas Group, Vodafone, Zeppelin Group, and others.

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