



LEMBERG SOLUTIONS

Embrace the challenge

/ ABOUT US



Lemberg Solutions is a tech consulting and engineering company that creates **IoT products, Digital experiences, and AI solutions.**

Our clients rely on our full suite of engineering services and industry experience to build new products and bring digital transformation to existing systems.

/ Lviv HQ Office

72 Heroiv UPA street,
79018, Lviv, Ukraine

/ Hamburg Office

Am Sandtorkai 32, 20457,
Hamburg, Germany

200

**cross-functional
technical experts**

15

**years on the
market**



WHY LEMBERG SOLUTIONS?

- / Availability of highly skilled resources
- / Possibility to find additional required resources within 6-8 weeks in Lviv (UA)
- / Full-service provider
- / High security & quality management standards
- / Willingness to develop our branch expertise while working with industry leaders

ENGINEERING

- Web Development
- Mobile Development
- Embedded Engineering
- Cloud & DevOps
- Data Science
- Drupal CMS
- Quality Assurance

CONSULTING

- Discovery
- Tech Advisory

BUSINESS

- Product Development
- Team Extension
- Support & Maintenance



UI/UX DESIGN

Give your customers a web product that effectively solves their problems through intuitive navigation and clear content design.

Our design team will dive deep into your audience's wants and needs and employ their know-how of different design systems to create an interface that puts your customers front and center.

Deliverables

- IoT GUI design
- Mobile app design
- Web design





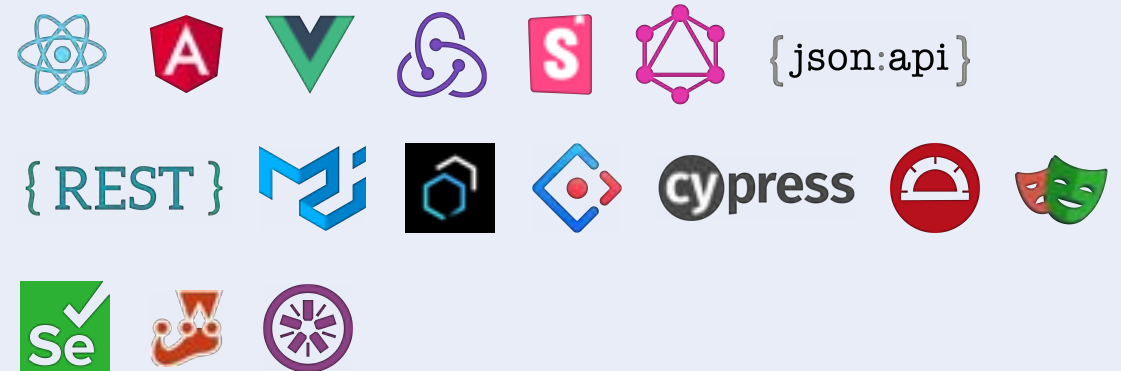
FRONT END

Whether you're looking to build a brand-new web product from scratch or need to update your existing system step by step, our front-end development team has got you covered.

We have vast experience building large-scale web apps, doing component-driven development, and utilizing the latest testing approaches.

Deliverables

- Progressive web apps
- Single-page apps
- Desktop app interfaces
- IoT dashboard
- Graphical user interfaces
- Website migration





BACK END

Get a stable, scalable, and secure back end for your digital solution from a team that knows how to find the right blend of technologies to create well-balanced systems, no matter the size.

Deliverables

- Back-end app development
- IoT back ends & APIs
- AWS, Azure, and Google Cloud integration
- Third-party API integration
- Custom CMS, CRM & ERP development



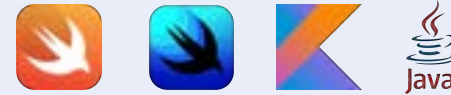


IOS & ANDROID DEVELOPMENT

Engage your audience through a robust native iOS or Android application. Our team delivers consumer and enterprise apps, including companion apps for IoT products, and tests them on a wide range of physical devices to make sure every feature works to a T.

Deliverables

- Companion apps for IoT devices
- Communication & social networking apps
- Business apps
- Health & fitness apps



MANUAL & AUTOMATION QA



behat



CLIENTS



“

Lemberg is not only one of the most capable agencies I have ever worked with, but their level of passion for the project is also only topped by their expertise. This expertise owes a big part in the overall success.

[Read full case](#)

Mario Janschitz

Chief Product
Officer, Simplicity
trade GmbH



“

Having many years of experience working with development agencies, Lemberg is one of the best. They are well organized, well staffed, and have the communication skills needed to work through ambiguity. We have been quite pleased with their work and their approach.

[Read full case](#)

Daniel Young

Managing Director
and Co-Founder,
Carepath
Technologies
GmbH



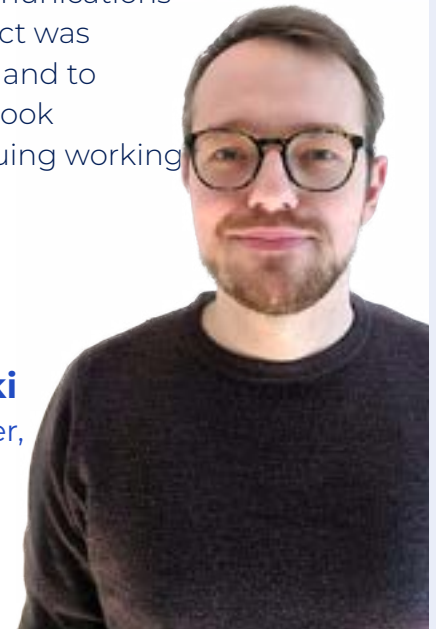
“

Working with Lemberg was an enjoyable and professional experience. Their experience and drive in conjunction with their controlled work process and communications ensured the project was delivered on time and to specification. We look forward to continuing working with them on future projects.

[Read full case](#)

Andreas Bilicki

CTO & Co-Founder,
Doppel





CASE STUDIES

FLEET MANAGEMENT PLATFORM

Enterprise-grade platform for truck fleet owners that combines telematics, fleet management, and business apps. It consists of CAN bus connected hardware integrated with the cloud, a web app for back-office personnel, and Android-based tablets for drivers.

TECHNOLOGIES

- Hardware: CalAmp telemetry modules
- Connectivity: CAN, GSM, WiFi
- Tablet OS: custom Android ROM
- Front end: TypeScript, Vue.js
- Back end: PHP/Laravel, MySQL, Redis, RabbitMQ
- Cloud: AWS
- Integrations: AWS SDK, HERE maps API, Bing maps

CHALLENGES

- Android OS limitations required core customizations
- Developing an SDK which can be used for integration with 3rd party developers
- Rollout process of system setup on 10K vehicles



CAREPATH

A healthcare IoT device for home-based patient monitoring.

SERVICES

- Firmware Development
- Cloud Architecture Design
- UI/UX Design
- Front End
- Back End & API
- iOS & Android Development
- Data Processing
- Data Analysis

TECHNOLOGIES

- Python
- PostgreSQL
- MySQL
- Cosmos DB
- Microsoft Azure
- MQTT
- Angular
- Java
- Swift
- Botpress

CASE STUDY



DOPPEL

Native iOS and Android apps for Doppel, a BLE-enabled consumer electronics device



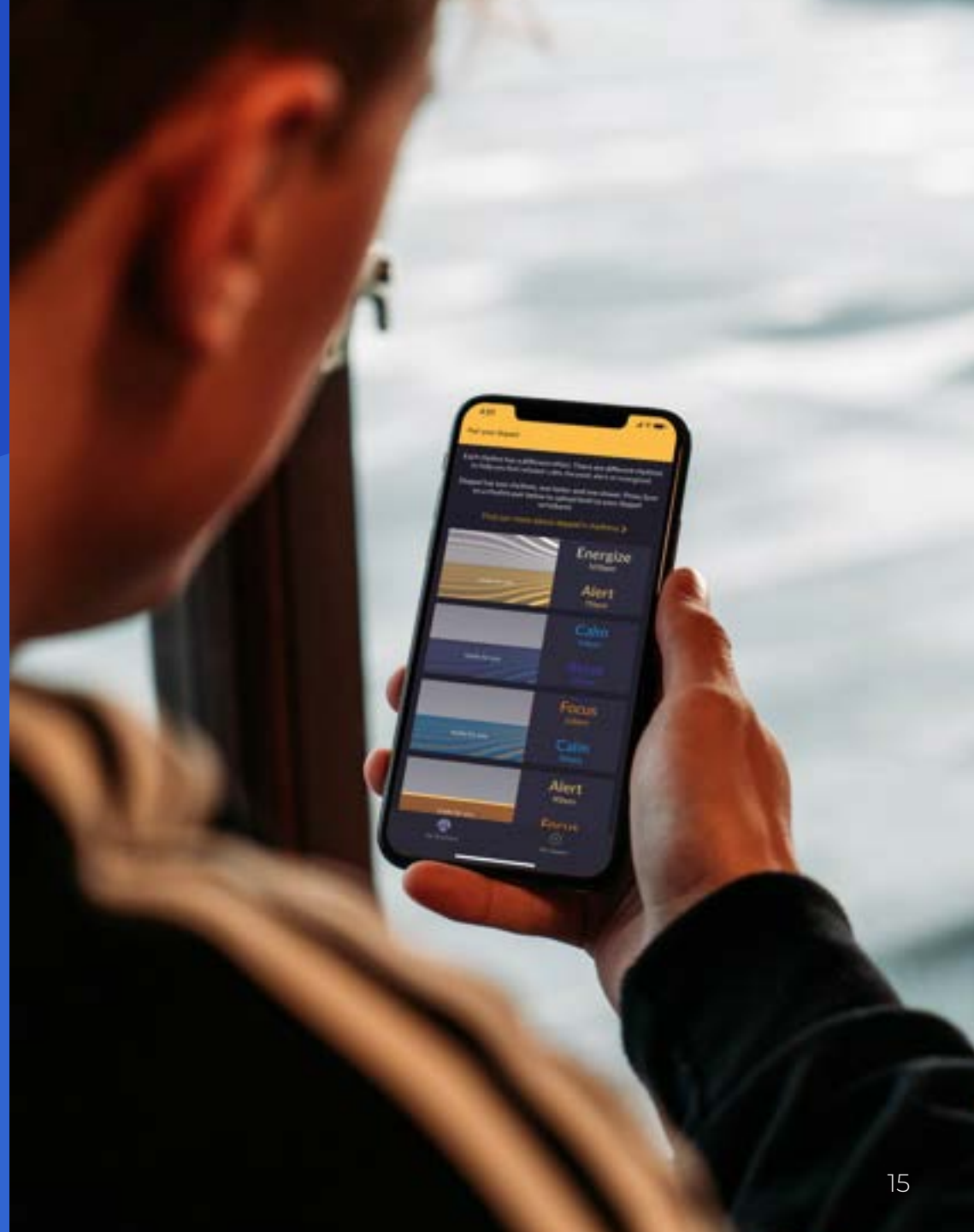
SERVICES

- Tech Advisory
- iOS & Android Development
- Back End & API
- DevOps
- Support & Maintenance

TECHNOLOGIES

- Java
- Swift
- PHP
- Bluetooth Low Energy (BLE)
- AWS

CASE STUDY



EMBEDDED VISION PROTOTYPE FOR LIVESTOCK WEIGHT MONITORING

An automated system for pig weight monitoring based on image recognition with the help of computer vision and non-iterative neural networks.

SERVICES

- Discovery
- Product Development
- Hardware Development
- Data Processing
- Computer Vision

TECHNOLOGIES

- Python
- C++
- OpenCV
- Convolutional Neural Network
- TensorFlow
- NVIDIA Jetson
- Intel RealSense

CASE STUDY





DIGITAL ASSISTANT FOR DRIVERS

Mobile development and back-end maintenance and support for Chris, a voice-controlled digital assistant that helps drivers use their smartphones while staying safe on the road.

SERVICES

- Team Extension
- iOS & Android Development
- Back End & API
- DevOps
- Support & Maintenance

TECHNOLOGIES

- Swift
- Kotlin
- Bluetooth Low Energy (BLE)
- Node.js
- AWS

CASE STUDY

HORSE ANALYTICS



A product that uses sensors and predictive analytics to monitor a horse's behavior and deliver unique equestrian training experiences.

SERVICES

- UI/UX App Design
- iOS & Android Development
- Back End & API
- Data Science
- DevOps
- Data Collection

TECHNOLOGIES

- iOS SDK
- Android SDK
- Microsoft Machine Learning
- ASP.NET
- Azure Blob Storage
- REST API

CASE STUDY





VIDEO AD CREATOR FOR A FASHION RETAILER

A video editing app for creating marketing materials fast and efficiently.

SERVICES

- Discovery
- UI/UX Design
- Back End & API
- Front End
- DevOps

TECHNOLOGIES

- React
- Node.js
- VirtualGL
- PostgreSQL
- RabbitMQ
- AWS

CASE STUDY



ANAXAM: ANIMATED WEBSITE DEVELOPMENT

anaxam
analytics for advanced manufacturing

As a keen supporter of scientific development, Anaxam required an original website with responsive animations that would appeal to the tech community and emphasize the uniqueness of the company's services.

SERVICES

- UI/UX Design
- Front End
- Back End & API
- Drupal Development

TECHNOLOGIES

- Drupal 8
- JavaScript

CASE STUDY

WEB DEVELOPMENT TEAM FOR A OPEN SOCIAL

We provide Open Social with a dedicated full-time web development team. Together, we develop and maintain the Open Social platform itself along with a variety of enterprise projects based on it.

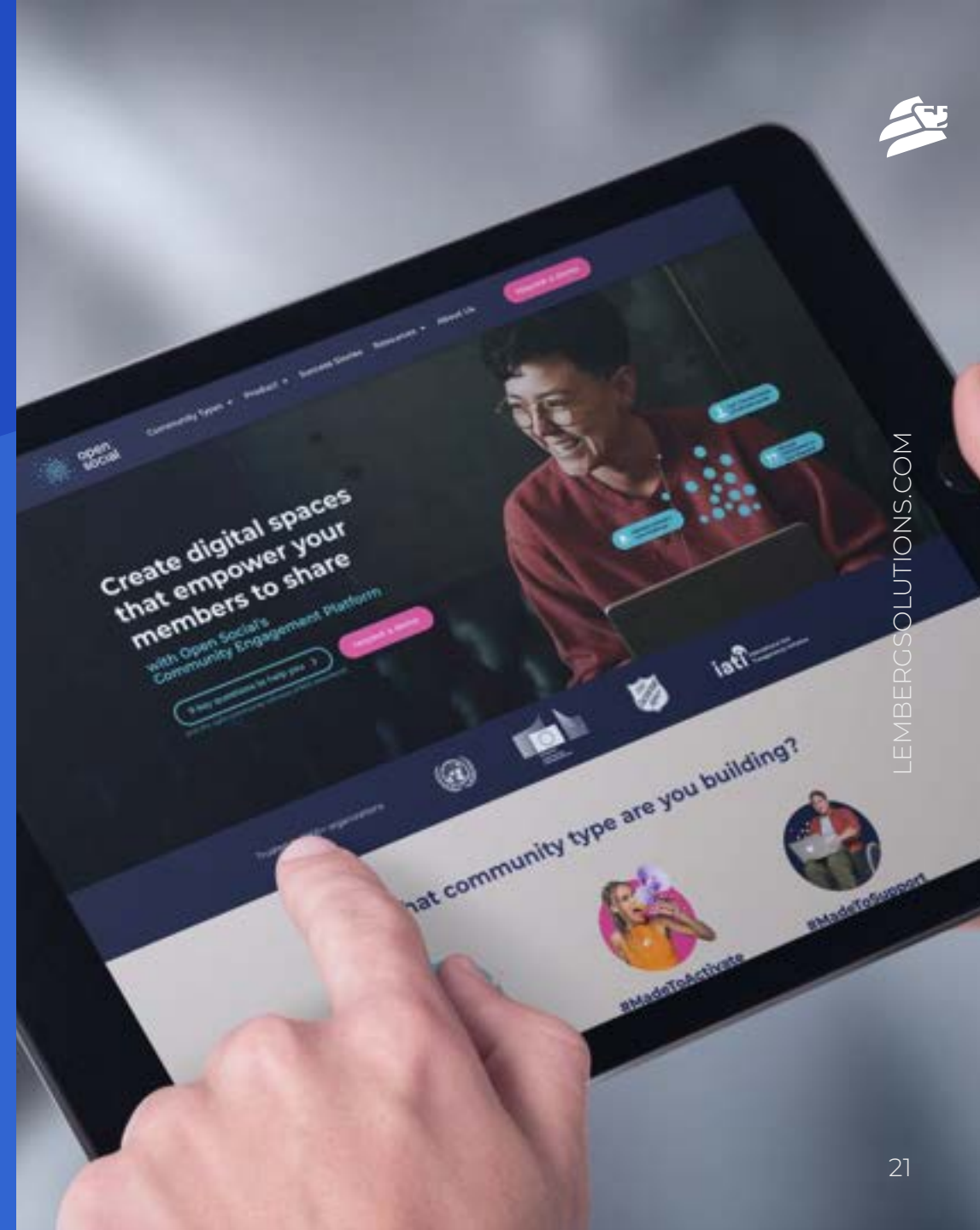
SERVICES

- Back End & API
- Front End
- Drupal Development
- Team Extension

TECHNOLOGIES

- Drupal 8
- Open Social
- Bootstrap
- Platform.sh
- Shippable
- Travis CI

CASE STUDY



LEMBERGSOLUTIONS.COM



**OLGA
LYSAK**

Meet Olga Lysak, our CEO of Lemberg Solutions GmbH. Get in touch with Olga to discuss your business needs and find out more about the services we provide at Lemberg Solutions.

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olga.lysak@lembargsolutions.com