



**Espeo  
Software**

# Portfolio





# Media



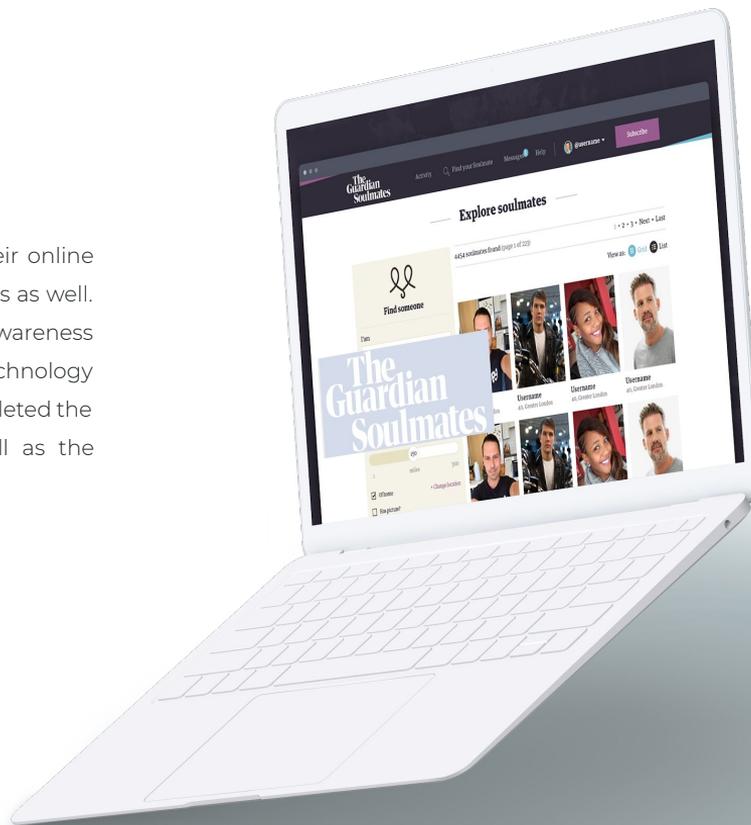
More details at:  
[espeo.eu/work/guardian-soulmates/](https://espeo.eu/work/guardian-soulmates/)

# Renewing of an **online dating platform**

The Guardian needed to renew the system design and functionality of their online dating platform. The platform had to be adjusted to follow GDPR regulations as well. Our goal while building the Soulmates application was to extend brand awareness and increase profits. The Guardian was looking for a long-term trusted technology partner that will work together with the Soulmates business team. We completed the Android app and started optimizing the existing platform code as well as the Soulmates iOS application and helping singles find their perfect match.

## We delivered:

- Consulting and advisory
- Software development
- Automated and manual testing
- Design
- Maintenance





## Building a new recruitment platform

Oikotie, a Finnish recruitment and housing platform needed a new recruitment system, as the old one no longer met their requirements. The replacement process had to be infallible and easy to use, as access to the system was to be sold to end clients in a subscription model. Espeo created a web-based recruitment management system called Artist using the Symfony2 framework. The old model was replaced with a white label solution model. Our team introduced a non-relational database (MongoDB) to save user applications with a variable object structure, and Elasticsearch for complex queries.

### We delivered

- Consulting and advisory
- Software development
- Integration

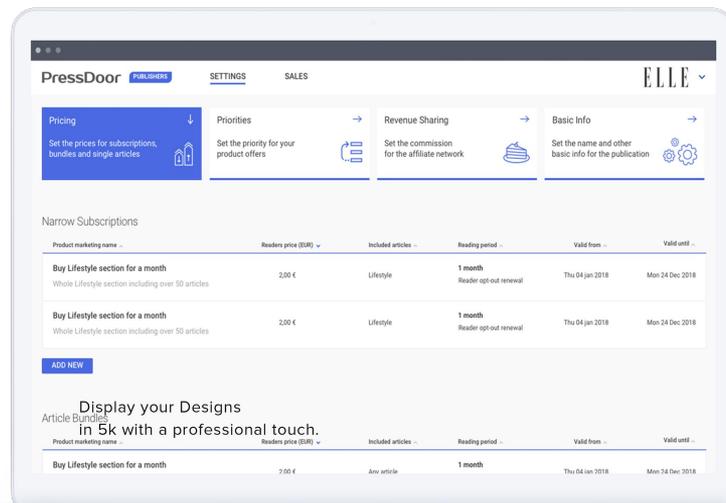


# Creation of easy-to-use web platform with micropayments integration

PressDoor is a service directed at the media publishers market. The aim is to monetize published content also with other readers than the full subscribers. Thanks to the adoption of micropayments readers will be able to pay for access to a single article or a package of articles. The publishers decide what content bundles to offer and at what price. The most important business challenge is to convince the publishers to a new way of distributing the published contents. To achieve this PressDoor inserts a purchase window on the publisher's own web page, but connects to marketing services advertising the content elsewhere on the internet. Purchase is possible both with teleoperator invoicing and credit cards, and on all reading devices, covering 99% of digital readers.

## We delivered

- Consulting and advisory
- Design
- Software development
- Automated and manual testing





**Edtech**



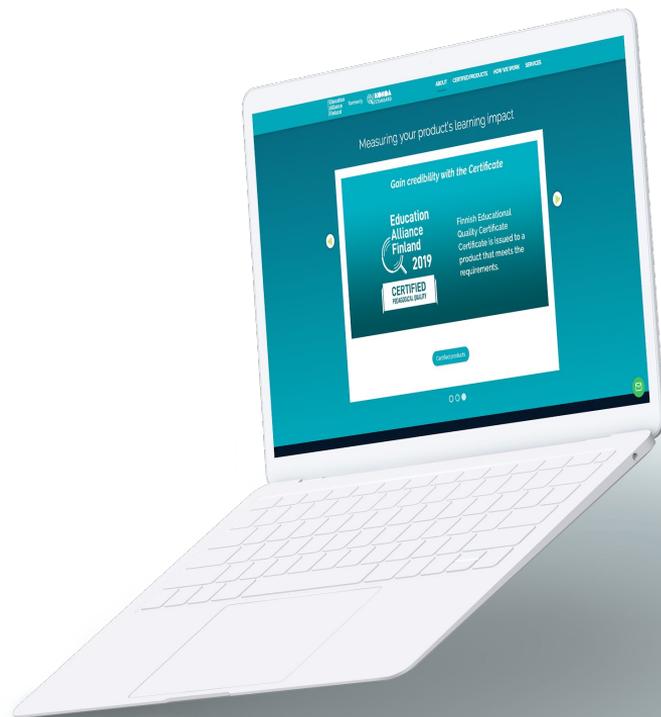
More details :  
[espeo.eu/work/education-alliance-finland/](https://espeo.eu/work/education-alliance-finland/)

# Building an **application** to improve the learning experience

The goal of Education Alliance Finland (formerly Kokoa) was to offer a tool that evaluates the learning aspects of educational products: including applications or other digital aids. We built a complex web-based evaluation tool that follows a scientifically proven method in every aspect of the reviewing process. We also developed the Kokoa website along with a product catalog. In addition to programming, we lead the testing efforts. In the end, the platform helps teachers and parents to find the best apps and tools for education and learning.

## We delivered:

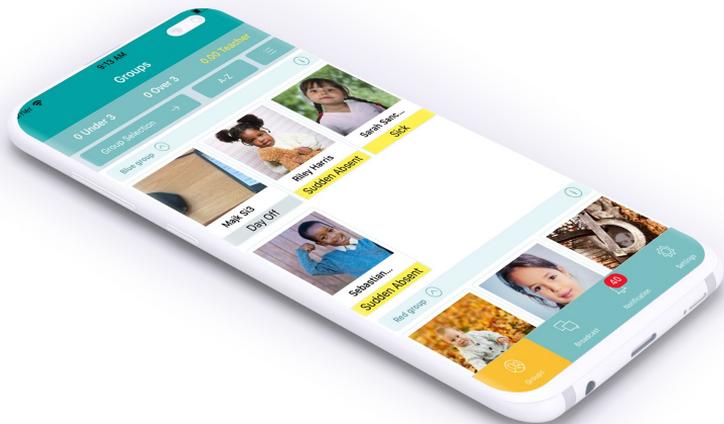
- Consulting and advisory
- Software development
- Automated and manual testing
- Design
- Maintenance





More details :  
[espeo.eu/work/tiny-app/](https://espeo.eu/work/tiny-app/)

# A cross-platform app to support early childhood learning



Create a cross-platform app (working both on Android and iOS devices) that will serve as a smart pedagogical assistant for kindergarten teachers to support early childhood learning and personal development process. As there are no developers in-house, we are the only development partner the client has. All technological solutions including planning the architecture, development, deployments, infrastructure setup and maintenance is handled by us.

## We delivered:

- Consulting and advisory
- Software development
- Manual testing
- Design
- Maintenance

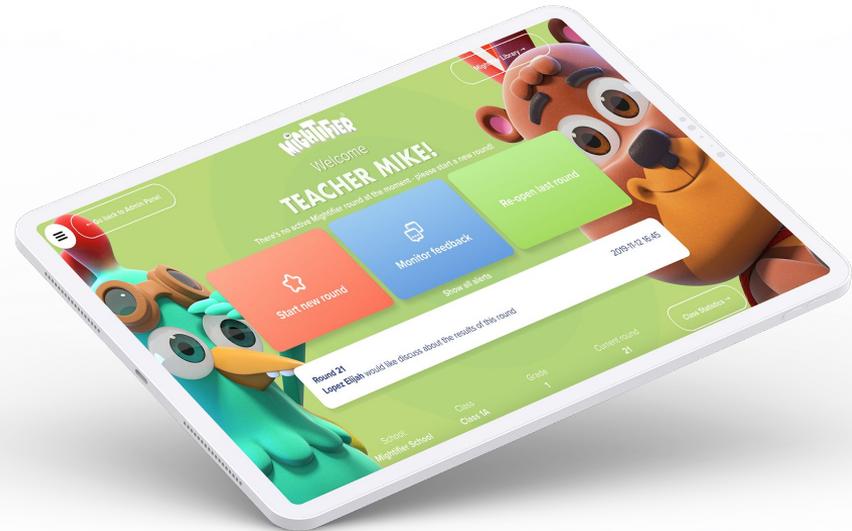


# Helping to fight bullying and isolation at schools

Founded in 2016, Mightifier is a browser-based application for schools to monitor and enhance well-being through positive pedagogy and character development. It helps to develop social skills by teaching kids how to give positive feedback based on their classmates' daily behavior. Two years after the launch of the initial app, Mightifier saw a clear market need and together we worked on a solution of showing the user the actual impact of the app. It was highly requested from customers to make use of the data which is collected. The idea was to provide a tool such as the sociogram tool to create a digital outline from the information gathered with the well-being pulse-questionnaire. Thanks to this, valuable insights can be shared and used in pedagogical decision-making

## We delivered:

- Consulting and advisory
- Automated and manual testing
- Software development





# Fintech



More details:  
[espeo.eu/work/intelligent-payments-group/](https://espeo.eu/work/intelligent-payments-group/)

# Integration of **new payment channels** with **Blik, Paypal etc.**

Intelligent Payments Group is a Gibraltar-based processor for some of the largest eCommerce merchants in Europe. They chose Espeo as a partner taking into account our expertise in the fintech sector and technical excellence in the technology stack required by IPG. We were responsible for the delivery of recurring payments module which was a new important functionality offered by IPG to its merchants. We were also involved in the refactoring of mobile UI of the IPG payment solutions. Furthermore, Espeo also participated in the end-to-end quality assurance process governed by the IPG, by providing full-time testers.

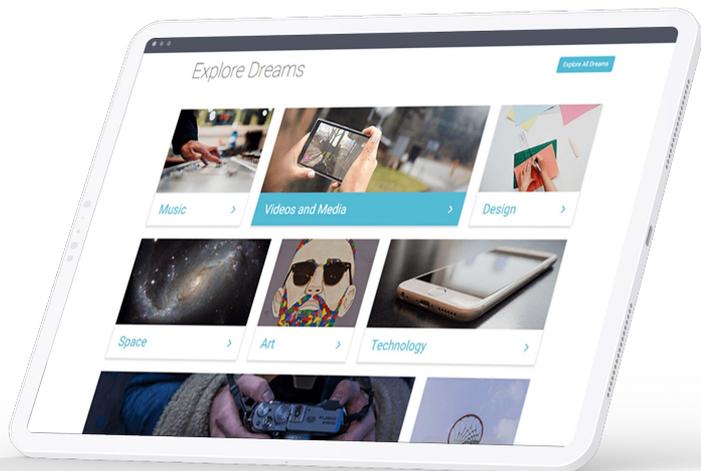
## **We delivered:**

- Consulting and advisory
- Software development
- Automated and manual testing





# The world's first two stage crowdfunding platform



Dreams.Build is a crowdfunding platform hailing from Virginia, offering two-stage funding, digital files, an integrated community, and multi-charity donations.

Dreams.Build needed a partner to take over their project from a previous group of developers. They also needed to build an application that would follow code quality standards and get an MVP out to consumers, as well as have a solid base for scaling in the future. Espeo developed the platform and implemented its unique two-stage funding system, including currency conversions. We completely reworked some of the old code from the previous developers to bring it up to current standards as well as sorting out multiple bugs.

## We delivered:

- Consulting and advisory
- Software development
- Manual testing



# Revamp the existing **web application interface** turning it into an **SPA**

Our client's business need was to create a new web application interface. The bank needed a transparent, up-to-date and ergonomic user interface. The goal of the project was to not only build a fully responsive SPA website but to also use the same code base to deploy an iOS and Android app using a custom platform built on top of Cordova (PhoneGap).

## We delivered:

- Design
- Software development





# Healthcare

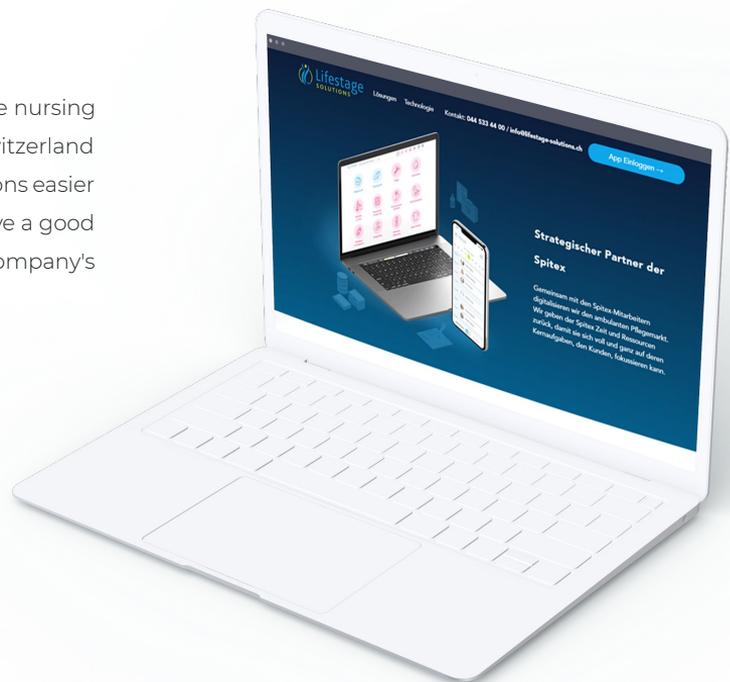


# Building a **customized** and **user friendly** website

Lifestage Solutions AG is a well funded Swiss startup dedicated to digitizing mobile nursing services. They are a strategic partner of Spitex, the public healthcare system in Switzerland and their goal is to decrease time and resources in order to make the daily operations easier and more efficient. The website is the first digital touchpoint and it is crucial to leave a good impression. For Lifestage it was important that the website reflects the company's breakthrough way of thinking and embolds it technical front-runner proposition.

## We delivered:

- Design
- Software development





# Mobile app for dictation as the quickest and easiest form of saving thoughts

Finding time to writing down your thoughts and ideas can pose a real problem in our fast-paced, information overloaded environment. That's exactly why many people who are constantly working against the clock, often develop a habit to dictate their thoughts amidst meetings. That's exactly where Inscripta comes in. As mobility is the key to the idea behind the project, we were tasked with developing two modern, native mobile apps: iOS app and Android app.

## We delivered:

- Design
- Software development
- iOS/Android



# A diagnostics-as-a-service application to detect drugs

BioMensio is built on international research programs and has intellectual property of more than 15 patent families. The company's product is a handheld reader and diagnostics-as-a-service application that can detect the presence of drugs in saliva within minutes. This is especially useful in point-of-need analytics in food safety or drug testing. Espeo prepared the documentation of the administration panel and application prototype. The architecture had to be well thought out in terms of data security, the ability to connect with other systems, as well as the feature of downloading data from onsite devices.

## We delivered:

- Design
- Consulting/Advisory





# **Sport and tools**



# A mobile platform that combines people's favorite sports with charity

The company needed a partner that would handle the multifaceted nature of the project: the creation of two mobile apps (for supporters of a given cause), a web application for sponsors and organizers, and the admin side. One of the challenges was to obtain a slick interface on both iOS and Android platforms. Another consideration to properly measure a user's activity to award a corresponding amount of internal currency. Espeo's key solution was the creation of an API for frontend application and the development of two native apps with special focus on UI. We created a great-looking app combining activity tracking and charity.

## We delivered:

- Design
- Software development
- Manual Testing



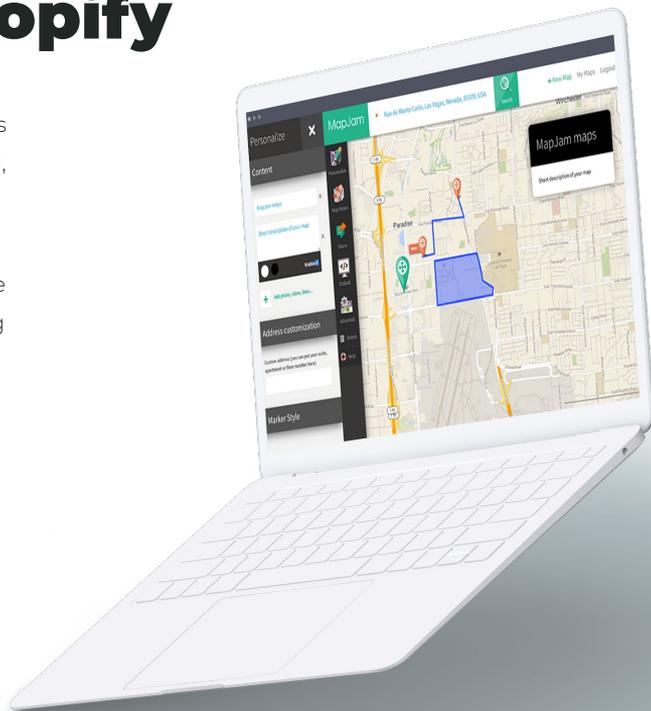
# Integration of app's functionalities into Slack, Wix.com and Shopify

MapJam is a quick mapping platform designed to easily share business locations, events and gatherings. The app allows businesses, organizations, and people to create useful, personalized maps.

The goal of the project increasing MapJam's maps reach by putting them on mobile devices through the development of Android and iOS libraries/SDKs as well as integrating MapJam's widget with popular platforms such as Slack, Wix.com, and Shopify.

## We delivered:

- Design
- Software development
- iOS/Android





# Blockchain



# Cryptocurrency tracking and reporting application

Among others, one of the biggest challenges for CoinTracking was to find skilled developers with expertise in cryptocurrencies. A trustworthy and reliable IT partner was needed to undertake changes to further develop the web-based platform. We adapted payment system to comply with PSD2 regulation, especially Strong Customer Authentication (SCA), added subscription system (auto-payments) for corporate users and new type of user account: expert account. Espeo introduced new languages and tools: Amazon SQS and KMS, Go language and diagnosed and solved problems of scale. Furthermore, we implemented a queue system in order to have control over the number of running tasks, created more micro-services to scale better. We added more safety by adding encryption of sensitive data.

## We delivered:

- Testing and improvement of existing platform
- Software development





# Trading platform based on blockchain

The client patented his decentralized derivatives trading platform a while ago, but there was no technology available that could provide the user with full transparency of the investment process. Blockchain solves that problem, so it became the natural choice. Our head of blockchain and the rest of the Espeo team were chosen to turn the CloseCross idea into reality. We had to avoid any single point of failure, so it was clear this was to be a decentralized product. It was a challenge since very few similar solutions have been built so far and we practically couldn't use anything as a model. We also needed to handle transparency issues — the customers have to see in real time how other investors behave. Finally, the CloseCross platform had to be visually intuitive.

## We delivered:

- Development and architecture of blockchain-based platform for MVP (further development done by client)
- Public and private blockchain backend
- Web and mobile frontend
- Landing page design



# Building an **ethereum smart contract** with system integration

Level 01 is a Hong-Kong based options trading blockchain platform — trading engine and trading ticket. It's a peer to peer (P2P) derivatives exchange that allows investors to trade options contracts directly with one another. The Trading Ticket is a 'contract' that the user creates to enable trades to be conducted on the platform. The platform is a new, options trading peer-to-peer 'exchange'. Matched trade tickets will spawn an Ethereum smart contract which is responsible for handling the transaction settlement (acquire tokens from user wallets, verify result upon trade ticket expiration time, determine winner, perform profit/loss/platform fees distribution, destroy itself). We built smart contract, blockchain feature (wallet management, client-server-blockchain communication, message signing, encoding messages) along with the integration with the system (server and Android application).

## We delivered:

- Ethereum smart contract development
- System integration

