



# DISCOVER OUR PROJECTS

[u2i.com/careers](https://u2i.com/careers)



*\* For the best experience please rotate your screen horizontally.*

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\* Due to confidentiality reasons, we can't disclose all of our customer's identity

# ON-GOING

We never wanted to work at a faceless outsourcing company, anonymously going through a daily list of tasks before home time. So we set up u2i to be the complete opposite. We work **directly with our clients**, spotting ways we can help them grow their businesses.



The year 2024 marks  
the 15<sup>th</sup> anniversary  
of this cooperation  
which began with  
a single developer.



### About the project

This project is about measuring and analyzing social engagement with TV, streaming and sports events. It focuses on helping TV networks, agencies, advertisers, leagues and sports teams understand their social footprint, refine their partnership strategies and measure media impact. It collects and combines metrics into accessible and filterable ratings and data-reports.

### Our role

Over the years, we've built a long-lasting partnership with our Client, resulting in grossing millions of \$ worth of product. We've accompanied our Client through their journey, from a startup to an international multi-level analytics business.

### What's next

We plan to support full coverage of metric types we collect for social sources we support and expand to global tracking. We also constantly improve the system architecture to provide a universal platform that is able to collect and aggregate social data for any universe.

### Technologies


Backend: *Ruby, RoR, MySQL, PostgreSQL, Sidekiq, less often: Java, Scala*

Frontend: *JavaScript, TypeScript, React, Redux, RxJS*

BigData: *AWS Athena, Apache Hadoop, Apache Hive*

Infrastructure: *AWS, Lambda, EMR, Terraform, Jenkins, Docker, Chef*





Can we improve  
children's  
attendance at  
school?

*POWERSCHOOL HAS FOUND  
THE ANSWER*



### About the project

This project is a former start-up Kinvolved that we supported from its very beginnings, and eventually led it through the acquisition process by PowerSchool. This is an educational-technology project, which combines student attendance analytics and a parent communication platform, dedicated for US-located schools. Its primary mission is fighting absenteeism, combining technology tools and human interventions.

### Our role

During our 8+ year relationship with Kinvolved, we've managed to create a stable and robust platform that allowed us to accommodate massive growth of the customer base.

### What's next

Currently, we focus on building new functionalities, cutting the operational costs down, scaling the technology, enhancing the data integration platform and maintenance.


### Technologies

Daily basis: *Ruby on Rails, AWS + Terraform, PostgreSQL, AngularJS*

Less often: *React Native, Serverless*







We work on  
encouraging  
kids to read more.

BY HARNESSING  
PARENT-TEACHER  
COLLABORATION

### About the project

We develop a system that helps educators and parents build children's reading habits and improve reading capabilities. It consists of two parts, interconnected by a common back-end. First - a mobile website, that behaves like an app, used by parents at home to select and use proper reading strategies suited to children's needs. Second - a website that helps organizations and teachers monitor students' progress and allows them to plan next activities.

### Our role

Over the past 4 years, we developed the whole system and helped the client go through the COVID-19 pandemic. It made the application more important than ever before, helping parents adapt to taking care of their children's education at home. We strive to constantly improve the system and implement new features for thousands of users who use our app daily.


### What's next

We are starting new feature initiatives focused on learning progress tracking, data integration, and user interface improvements. At the same time, we are discussing technical improvements we are planning to add to our system.

### Technologies

Ruby on Rails, PostgreSQL, React, JavaScript, Google Cloud Platform.





We work on  
streamlining the  
process of nurse  
scheduling.

BY DESIGNING BETTER UX AND  
AUTOMATING PROCESSES





### About this project

The goal of our project is to simplify and optimize the process of nurse schedule creation. We are developing a web application that assists nurses and managers with their schedules by enabling nurses to input their preferences directly into the calendar grid. This approach allows nurse managers to efficiently balance schedules with less effort, ensuring a more precise and fair distribution of shifts. Additionally, our system ensures that all scheduling constraints are met, making the process not only easier but also compliant with all requirements.

### Our role

Our team is committed to developing this application from the ground up. We serve a dual role: as technical architects building the core of the application, and as strategic advisors ensuring the system meets the unique needs of both nursing staff and management.


### What's next

With the initial phase nearing completion, our next step is to integrate an administrative panel. This feature is designed to offer nurse managers enhanced control and flexibility in managing scheduling complexities.

### Technologies

Python, React, and GraphQL, Postgres, Jenkins, Docker

AWS: Lambda, RDS, ECS



We strive to  
simplify the organ  
transplant process.  
*BY OPTIMIZING COMMUNICATION  
BETWEEN PEOPLE INVOLVED*



### About this project

The goal of the project is to simplify and optimize communication between people involved in the organ transplantation processes happening in the medical center, minimizing unnecessary notifications and letting people focus on the critical aspects of the mission. The application creates communication channels for groups of participants, keeping track of the progress of the entire transplant venture.

### Our role

Our team has designed and built the system from scratch, acting as technical consultants helping shape the project from both technical and business per-

### What's next

Currently, we're responsible of the app's maintenance.


### Technologies

Python, PostgreSQL, Docker, Jenkins,

AWS: Lambda, RDS, ECS, deployment using AWS Serverless Application Model

Integration with Webex





Wouldn't  
it be nice to relax  
knowing that you  
won't miss any  
of your doctors  
appointments?

AND A PIECE OF CAKE  
TO SCHEDULE IT  
IN THE FIRST PLACE?



### About this project

It's a fully serverless backend application, developed for one of the premier academic medical centers in the US. The project focuses on SMS and IVR patient communication, automating and optimizing the process of appointment scheduling. In the long term, we aim at creating a scalable platform for two-way patient messaging, automating processes handled by the Clients' call centers.

### Our role

We created an appointment reminder delivery system from scratch. It integrates with a number of the medical center's systems and successfully replaces a vendor product, significantly reducing messaging costs.

### What's next

The system has been scaled to the entire Client's organization, sending tens of thousands messages a day. The plan for the future is to expand its capabilities and improve patient experience by introducing NLP to the stack, including AWS Lex.

### Technologies


*Python, PostgreSQL, Docker, Jenkins,*

*AWS: Lambda, RDS, DynamoDB, SQS, Lex, deployment in AWS Serverless*

*Application Model*

*SMS and IVR: Twilio*





Improving employee  
experience with day-  
to-day tasks.

USING EVIDENCE-BASED  
APPROACH





### About this project

This project focuses on providing comprehensive HR outsourcing, management consulting, and executive search solutions to organizations. Their expertise lies in helping businesses adopt evidence-based approaches to recruitment, people management, and HR operations.

### Our role


We're building a mobile application that will allow employees to manage their time entries, paid time off, and benefits, and provide managers with an intuitive interface to simplify the employees' timesheet approval procedure, thus streamlining the payroll process. We aim to improve efficiency, eliminate errors, and enhance the employee experience.

### What's next

The system has been scaled to the entire Client's organization, sending tens of thousands messages a day. The plan for the future is to expand its capabilities and improve patient experience by introducing NLP to the stack, including AWS Lex.

### Technologies

*Ruby on Rails, Sidekiq, PostgreSQL, Tailwind CSS, AWS*



# Facilitating conversations between educational leaders.

WHERE EDUCATION MEETS  
EDUCATION

### About the project

The app helps our client organize conferences where representatives of school districts meet providers of IT solutions for education. The goal is to create an optimal meeting schedule for each event given the number of participants and their needs.

### Our role

We implemented a meeting scheduling algorithm based on linear programming. We've been developing a web interface that helps admins manage a conference and collect input from participants in order to enhance the resulting schedule.

### Technologies

Elixir, Phoenix Framework, LiveView, Oban, PostgreSQL, Fly.io, PuLP







Helping you choose  
a benefits partner.  
*THAT'S JUST RIGHT!*

### About the project

Our project is designed to simplify daily operations of PEO consultants. A PEO is a service used by businesses to outsource HR tasks like payroll, benefits or insurances. Our software helps PEO consulting companies by facilitating communication between consultants and their clients. It simplifies the evaluation of PEO services through structured workflows for data collection, generated pricing comparisons, and integrated communication tools.

### Our role

It started out a tool for solving problems of a single PEO consultancy company. Our team of full-stack software developers and UX experts worked closely with the customer and crafted a web application from scratch. Currently, we are transforming the application into a SaaS platform that could help other consulting companies.

### What's next

Our goal for upcoming months is to turn the platform into a product for a larger customer base - we're working on supporting multitenancy and integrating payments, while also helping the customer with marketing and branding.

### Technologies

Ruby on Rails, Hotwire, Stimulus, PostgreSQL, AWS





Get the full picture of  
your business.  
*WHILE WE WORK ON  
THE DATA*



### About the project

This project aims to transform how business leaders gain insights into their companies and competitors by harnessing the power of data visualization. By integrating complex data into a modern web application, we're facilitating intuitive and insightful analysis that supports strategic decision-making.

### Our role

As a software house with a specialization in web development, we were engaged to bring the client's vision to life. Our expertise is instrumental in developing a state-of-the-art web application that not only meets but exceeds the client's expectations, ensuring that their data is not just presented, but tells a compelling story.

### What's next

Currently, in the early stages of product development, our focus is on closely collaborating with the client to refine the application and achieve the ideal market fit. We are committed to iterative enhancements, exploring innovative features, and expanding capabilities to meet evolving business analysis needs.

### Technologies

Next.js, Python, PostgreSQL



# RECENTLY ENDED

We have many projects that come in different shapes and colors. Some small, dynamic, other big and static, some of them interesting and some... not so much. That's life. The thing that you'll definitely like is **the real impact you'll have** on each and every product you make.

# We found a way to keep memories alive. *SO YOU CAN CELEBRATE THEM ANYTIME*

## About the project

Storyworth is a website that helps people preserve meaningful moments and memories. By weekly questions it assists you in gathering stories from your life, which can be ordered as a hard cover book and passed to younger generations.

## Technologies

Ruby on Rails, PostgreSQL, React, JavaScript, Google Cloud Platform

## Our role

We've took a broad role of not only developers but also consultants. Apart from building new features and maintaining existing ones, we advised the client on tech stack, UI and UX. We've also worked on Celebration Books designed to help groups of friends or family members to gather stories about someone they love and present them in a form of a heart-warming book.





# We make sure tyour data is secure. *WHILE YOU SLEEP LIKE A ROCK!*

## About the project

Securely exchanging digital information for customers in regulated industries including healthcare, finance, insurance, real estate, and state/federal government sectors. The project places paramount focus on security and adheres rigorously to industry standards, recognizing the sensitive nature of the data it handles. It implements multiple measures that guarantee comprehensive protection throughout all stages of information exchange. The platform is fortified with robust encryption protocols and stringent access controls.

## Our role

We actively engaged in consultations and discussions, utilizing our knowledge and experience to offer valuable insights and recommendations.

## Technologies

Java, SpringBoot, PostgreSQL, Docker, AWS, microservices



# Protecting families from life-altering events

*THE ONLY CONSTANT  
IN LIFE IS CHANGE*

## About the project

We supported a leading German InsurTech in building a platform that brings together employers, employees, brokers, and insurers to make pension, life and health insurance easy and accessible for everyone. Xempus is focussing on digitalizing and managing pension & life insurance for more than 85,000 corporates more than 20,000 insurance agents.

## Our role

Having started with getting to know the client and the application by working with a few different teams, we then built our own u2i team that took over a responsibility for a part of the system - extracting one of the core domains of the system to a separate service.

## Technologies

Ruby on Rails, Vue.js



# Mental health is as important as physical health. **AND HOW TO FIND A RIGHT THERAPIST FOR YOURSELF?**

## About the project

MyWellbeing is a matchmaking system for people looking for professional mental health practitioners.

## Technologies

Daily Basis: *React, TypeScript, Ruby on Rails*

Less often: *AWS, PostgreSQL, Docker*

## Our role

We started developing this web app 5 years ago, while it was in the startup phase, and we helped it grow a lot. At first, the service was available in New York state only, and now it operates across 6 states, providing over 2500 matches monthly (having 10000 unique therapy seekers/month).





# INTERNAL INITIATIVES

At u2i, we can dedicate **up to 10% of our time** to self-development. Sometimes we use this time for creating internal applications that improve the work of the entire office. Below you can discover some of our most successful initiatives.

# Imagine time is a tool. *IT'S UP TO YOU HOW TO USE IT!*

## About this project

The idea behind this tool is to allow remote or distributed teams to run sprint retrospectives in an efficient and easy manner. Not only does it help with better collaboration among team members, but also has a direct influence on increasing team's and client's engagement. At the moment, the app has ~65000 users/month and, obviously, u2i'ers use it for running scrum retrospectives as well :)

Ready for more? Click here <https://retrotool.io/>

## Our goal

Currently, there are 3 great minds collaborating to make this product even better as we aim to expand our reach. Our goal is to create a tool that unlocks creative approach to retrospectives thanks to its flexibility, and gives space for participants to talk about their team, product or process, which leads to improvements.

## Technologies

JavaScript, Meteor, MongoDB, React, SASS, Continuous Delivery



Design Sprint with one of our NYC clients

# The world's most inaccurate web development shop simulator.

WE HAD TONS OF FUN  
BUILDING IT!

## About this project

We've made the world's most inaccurate web development shop simulator in the form of a card game. We designed the whole game and then got it printed; now we simply enjoy playing it.

## Technologies

Brain, Crayons, Paper

Ready for more? Click here <https://softwar.u2i.com/#creators>





# The app that calculates everything for you.

*WHILE YOU ENJOY A CUP OF COFFEE IN THE KITCHEN!*

## About this project

The majority of u2i'ers are contractors and - as you might have experienced - it comes with some extra effort, such as a necessity of preparing invoices. In order to help facilitate this process, our developers created a special app that supports you in some b2b activities. Well, it actually handles most of the things for you - so you don't have to worry about all the calculations or preparing

invoices. Instead, you can spend more time focusing on your project activities or enjoying a cup of tea in the office kitchen.

## Technologies

Angular, Node.js, MongoDB, Heroku



Piotrek, one of our developers

u2i is all about food

# Make programming great again. BY MAKING SIMPLE THINGS HARD AGAIN

## About this project

It's an initiative created to entertain people like us! Originally, we aimed to introduce it during some IT events, such as hackathons. Which actually never happened.

However, we sometimes use it as an assessment for students who want to start their internship at u2i. Coding challenge does not only help us choose the most promising people with great potential, but is also an entertainment for candidates. Sometimes it's also about having fun, right?

## Technologies

Ruby on Rails, JavaScript

Find out more <http://u2i.is/cc/>



DON'T TAKE  
OUR WORD FOR IT!



u2i

Clutch

*I've worked with firms in the past that are literally to the hour and to the dollar, and take advantage of the clients in terms of estimates for further work. u2i is opposite and it doesn't even feel like they're an outsourced team. They feel like they're my engineers, the only difference being the distance.*

Alex Meis  
Co-Founder, Kinolved

[See more on Clutch](#)



Talk to us!  
*CAUSE BROCHURES ARE  
TERRIBLE LISTENERS*

If you'd like to learn more about u2i  
drop us a line at **hello@u2i.com**  
or grab **Weronika**, our Recruitment Devil,  
for a chat over a cup of coffee.

— Ania, our UX Designer

