

# codebay

*We deliver agile software  
development teams as a service.*

PORTFOLIO



Colorado Springs is home to the **Cheyenne Mountain Zoo**, the “Highest zoo in America,” at an elevation of 6,800 feet above sea level.

Named #6 Best Zoo in North America by **USA TODAY** 10Best Readers' Choice Awards, **Cheyenne Mountain Zoo** is home to more than 800 animals, representing over 200 species, including more than 30 that are endangered. This Colorado Springs zoo welcomes more than 575,000 visitors every year.



#### **ISSUE:**

One of the zoo systems had errors in its programming and it was not possible to modify information supporting the business area for updates on prices, hours and general information during the COVID-19 pandemic.

#### **SOLUTION:**

Our team identified the system failures, a diagnosis was made and the different vulnerabilities were repaired; In addition, the platform was migrated to a separate server to run future tests and modifications, as well as security backups.



## EDUCATION

The company offers online English language learning services, accompanied by native language tutors in individual classes. The company originally from Tulsa, in Oklahoma, has students in different Spanish-speaking countries positioning itself as one of the main platforms in distance learning today.

### ISSUE:

The development and maintenance of the platform was compromised by a development team which did not meet the minimum accepted standards for the growth and support of the system.

The platform began to have a series of anomalies which severely affected its operation.

### SOLUTION:

Our team at the time of getting involved in the project began to train the company's programmers and our agile development methodology was implemented, in addition, a communication standard for daily meetings was established with them.

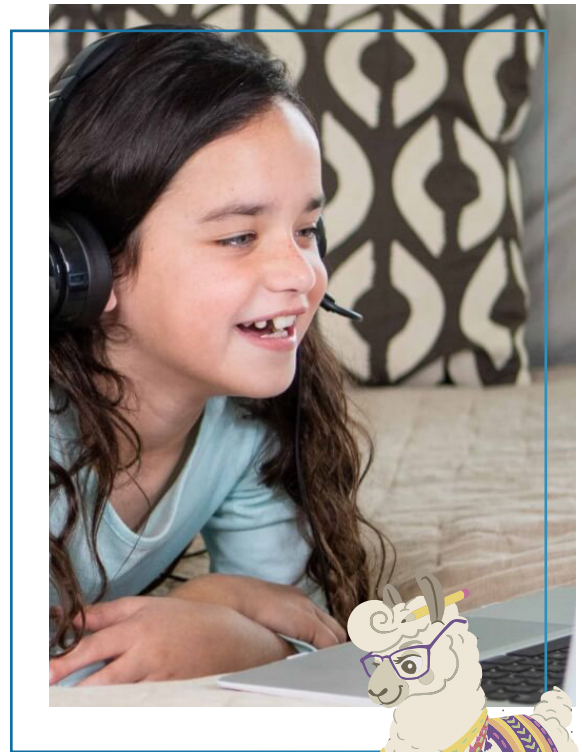
The priority was and continues to be that the current managers know at all times the status of the modules being developed, and that they have knowledge of what is happening with the system (For this, a direct communication channel was created, and a results meeting was scheduled every two weeks).

YEAR

2020

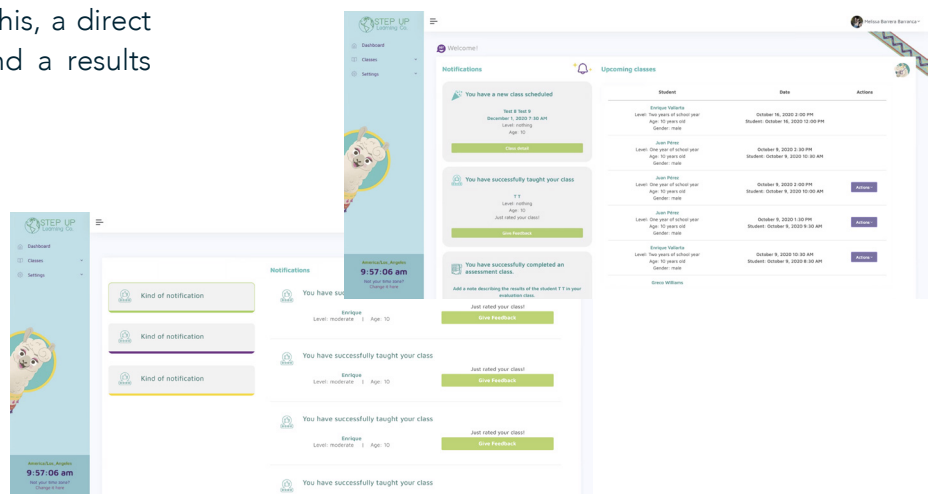
TECHNOLOGIES

PHP, Vue.js, AWS



Currently, errors have been corrected, a more robust server was implemented for the main platform and a test version was created, also due to the implementation of our methodology, the development metrics have been exceeded.

And in addition to the above, our team has become the technical support area for students and teachers.



# 

**Banco del Bajío.** It's a multiple banking financial institution, with special service and attention in business and commercial branches.

Founded in 1994, has managed its efforts in two niches: micro, small and medium enterprises, and the food industry. Today, it is a multiregional bank with a presence in 90% of the states of the Mexican Republic and strong in the Monterrey, Guadalajara and D.F.



## ISSUE:

Their previous system presented a big amount of anomalies in the algorithm and database which generated duplicated information, in addition to errors while executing any process.



## SOLUTION:

A staff training system was developed and implemented in the bank's local network for six thousand employees



# OMNILIFE

GENTE QUE CUIDA A LA GENTE

**Omnilife** is a Mexico-based company and the largest in the world that develops high-quality dietary supplements, helping thousands of people to maintain or improve their health.

## SOLUTION:

We designed and implemented a product management app for the product display centers located in Mexico, Cancun, and Guadalajara.

The previously mentioned app, developed with Android, is capable of showing information between different monitors consecutively with a command from a tablet. The user selects the wanted product from the device and the monitors display different graphic elements: the first monitor shows a picture of the chosen product, the second one a small description and the third one an animation of the exact part of the body which will be benefited.





MEDICAL RESEARCH

**Centris** is an online system for managing clinical trials. Its innovation lies in the optimization of processes for document organization and in the agility of searching for related information, achieving optimization of time, resources and access to content.

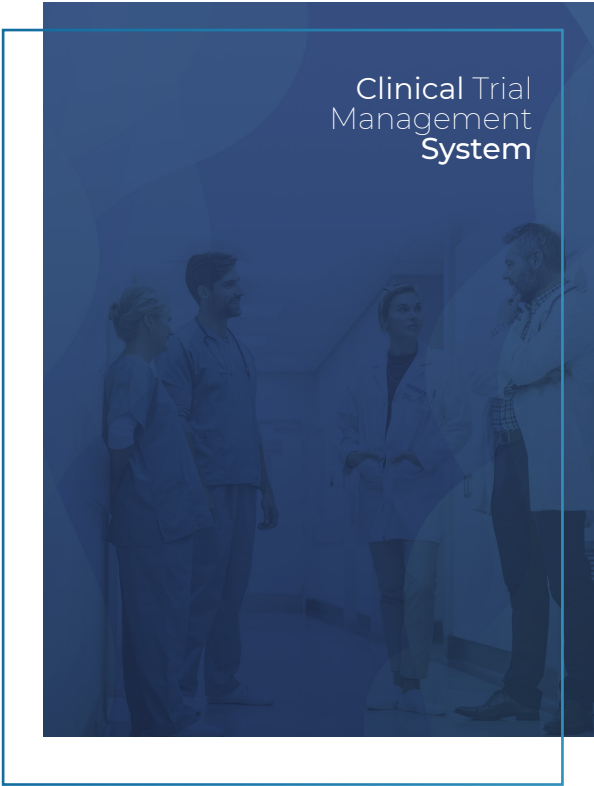
SITUATION:

The company approached our team with the need to develop this new platform due to our strict control of sensitive and confidential information, in addition to our experience in the medical sector.

SOLUTION:

Our company appointed a team of engineers for the development of the platform; We began by defining the communication channels and the working modality which consisted of developing the central platform using scalable technology for the next extensions of the system.

Although within our agile development methodology the team of programmers meets daily, a direct communication channel with the client was defined, as well as scheduling a meeting to show progress every two weeks.



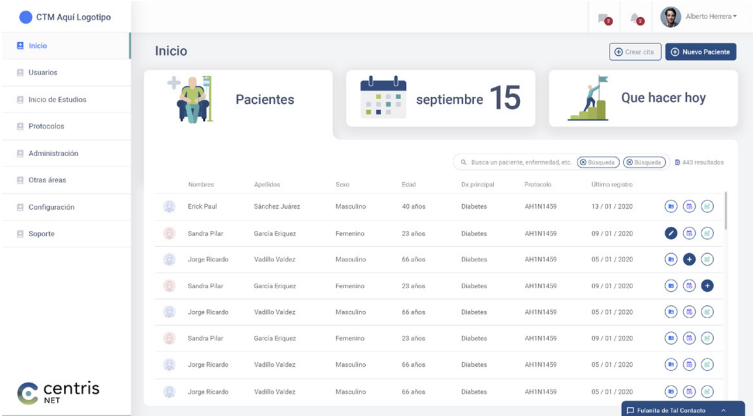
The project complies with high security protocols through an encryption mechanism, with dedicated servers for each instance of the system.

Currently our company continues with the development of the system, as well as technical support for customers of the platform.

YEAR2020

TECHNOLOGIES

Vue.js, Javascript, AWS





**eKomite** is an online system that allows the Research Ethics Committees to review their projects more efficiently and dynamically.

It optimizes the use of resources and improves the efficiency of operational processes of the committees.

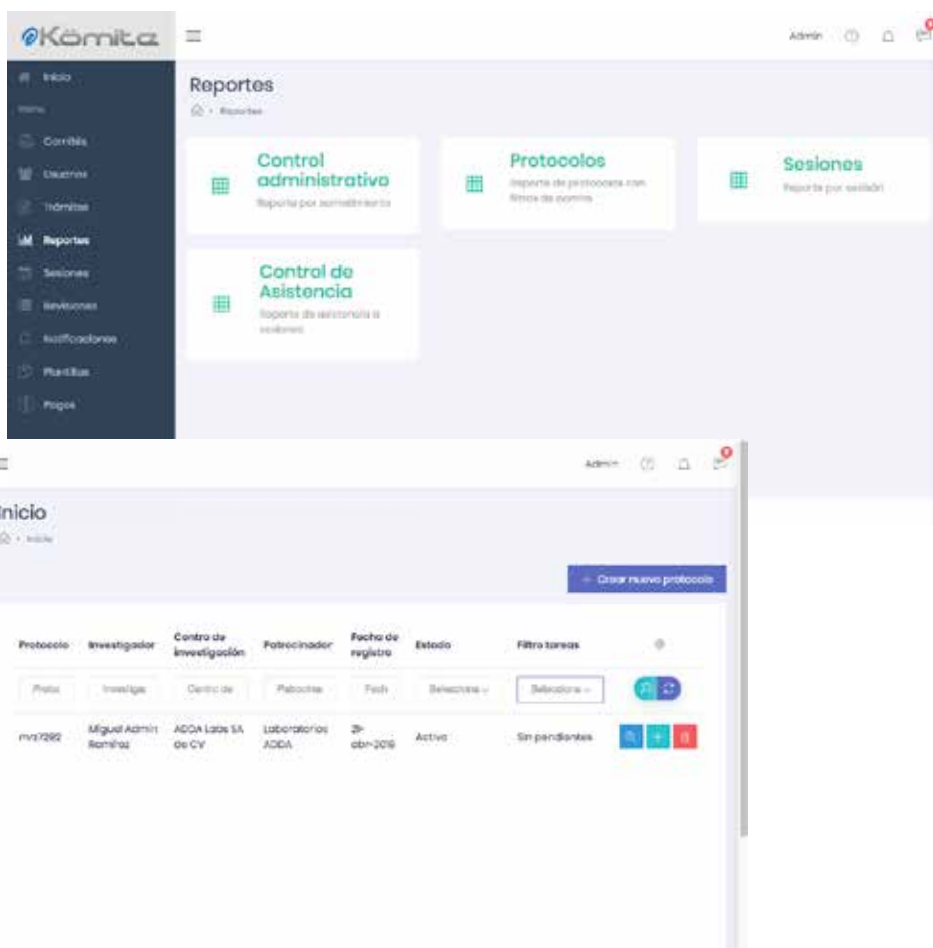
### TIME IS ON YOUR SIDE NOW

Reduce up to 80% of your time between the occurrence of a protocol and the delivery of its evaluation, quickening the start of clinical essays.



The research committees had experimented the following advantages by using eKomite:

- 24-hour availability.
- Automatic foliating and sealing.
- More efficient reviews.
- Reports and registers.
- Fast delivery of evaluations.





**Ekar de Gas** is a company from Guadalajara, considered as the most important home appliances distributor in Jalisco, which also sells housework related products; being his principal goal the welfare and efficiency of families.



## ISSUE:

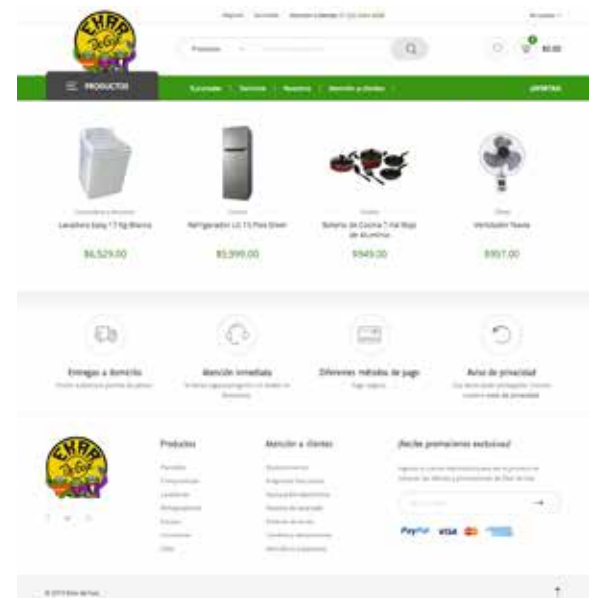
Their previous website presented multiple shortcomings: it wasn't compatible with mobile devices and different screen resolutions, poor aesthetics, deficient and outdated information.

Their content didn't reflect the quality and current extent of the company either.

## SOLUTION:

We developed an eCommerce, capable of serving as an independent retail outlet to any of the branches. The user can either buy a product online and receive it in a specific location, order a product and pick it up in a store, or just use our platform as a catalog and window-shop the products in stock.

In addition to the online shop, the new platform is a media outlet for publishing sales, communicating with clients, sharing news, and indicating policies.

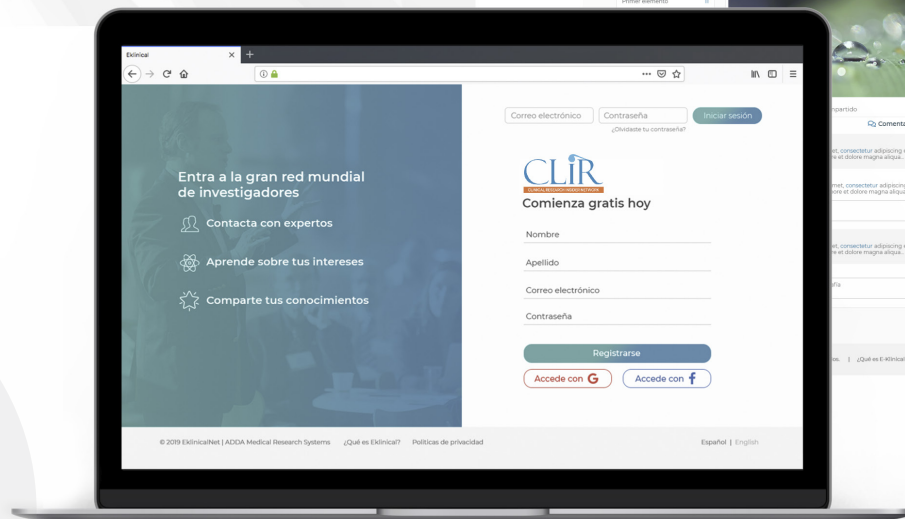
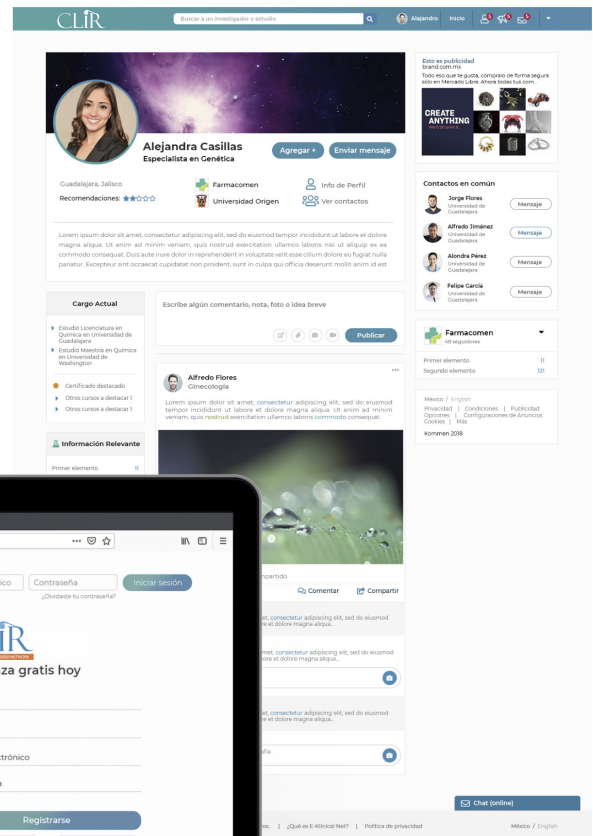






## THE SOCIAL NETWORK OF RESEARCHERS TO EXPOSE AND SHARE

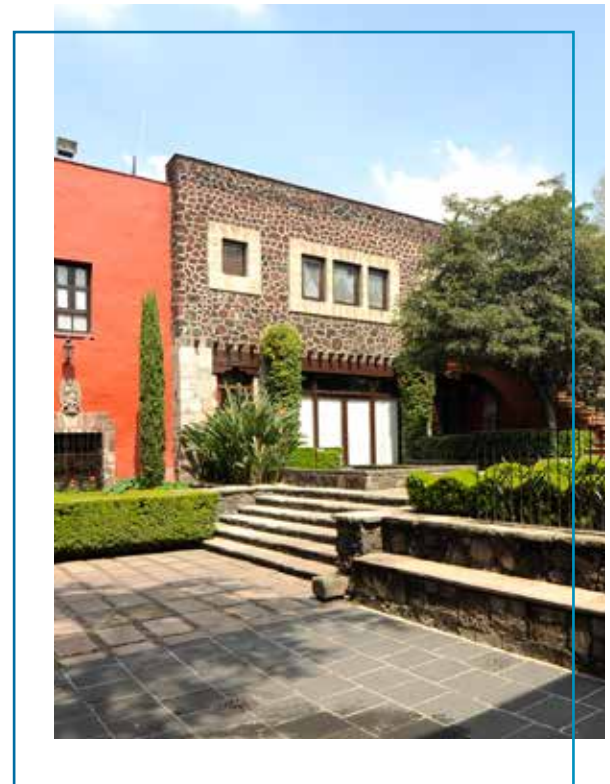
Clir Clinical Research Insider Network is the ideal worldwide social network for any researcher, whether clinical or any other type. Its main objective is to be a way for researchers to communicate and thus share their work, expose what they have accomplished or even get involved in an ongoing investigation.





Universidad Panamericana was founded in 1967 as a business school named as the Panamerican Institute for Executive Business Management (Instituto Panamericano de Alta Dirección de Empresas).

UP has four campuses that serve about twelve thousand students in thirty-three undergraduate academic programs. The main Mixcoac campus in the Benito Juárez borough of northern Mexico City, founded in 1968; the Guadalajara campus established in 1981; the Aguascalientes campus established in 1989; and Campus Santa Fe, also in Mexico City, founded in 2011. It also has the School of Management of Institutions (Escuela de Administración de Instituciones).



#### Publicaciones



#### Eventos



#### ISSUE:

The university had very important information scattered; we required to centralize and organize it

#### SOLUTION:

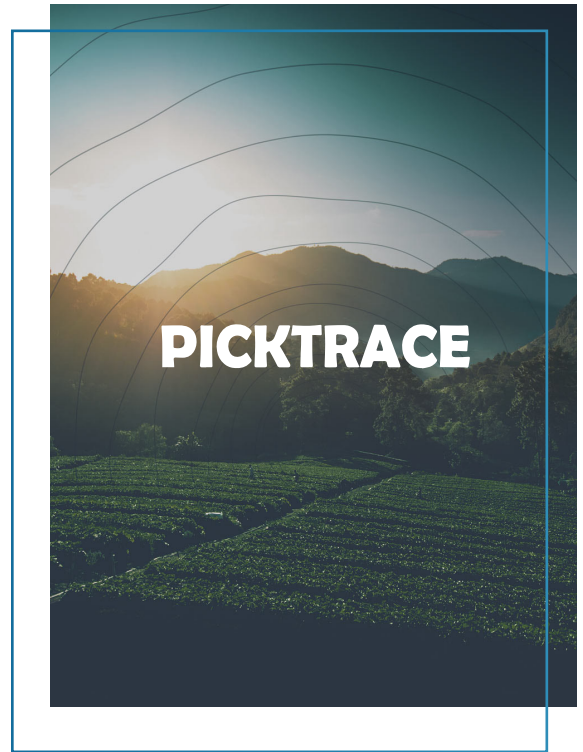
We design and developed a resource management platform for the institute's researchers, which was linked-up with events, newsletters, articles, and a researchers info directory,



## FARMING

PickTrace is a fast-growing software company that provides workforce and harvest management solutions for large-scale farms. PickTrace is building the farm management system of the future.

PickTrace's powerful technology helps agricultural producers thrive in a time when regulatory, labor market, trade, and environmental pressures are increasingly challenging.



## ISSUE:

The company's web image was outdated and obsolete; as well as with critical errors in the development of the web portal.

## SOLUTION:

With the support of the administrative and graphic area of the company, our firm managed to create an adequate structure for its web portal which complies with essential standards for its proper functioning.

The current portal not only has an excellent interface; but also, it has an optimal and structured code development, in addition a system for content management was implemented.



YEAR	2018
TECHNOLOGIES	PHP, Javascript







## LEGAL SERVICES

**Avalco** is a cloud system which allows you to create, organize, link and modify legal documents, its file automation software allows you to create personalized legal documents without problems following essential standards channeled by specialists.

### ISSUE:

The vision of the system emerged a few years ago; However, the lack of a company specialized in software development which would comply with strict privacy controls in the management of processes and sensitive documentation impeded the start of the project.

### SOLUTION:

**Codebay** not only provided security and the essential protocols for managing sensitive documentation necessary for the project; we integrate a process engineer to support the company with the system architecture.

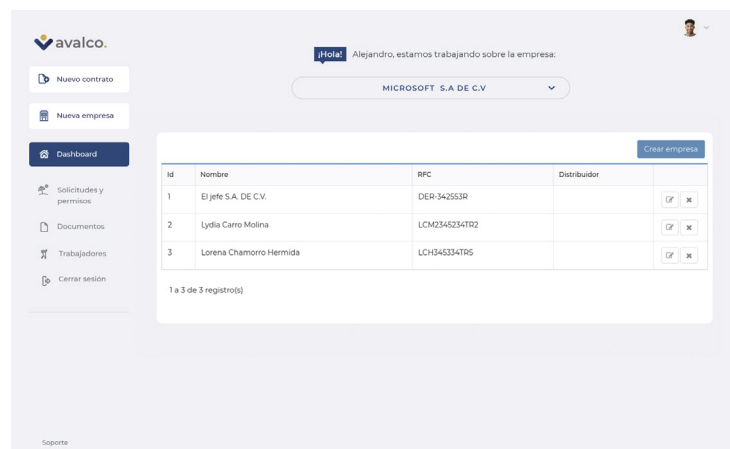
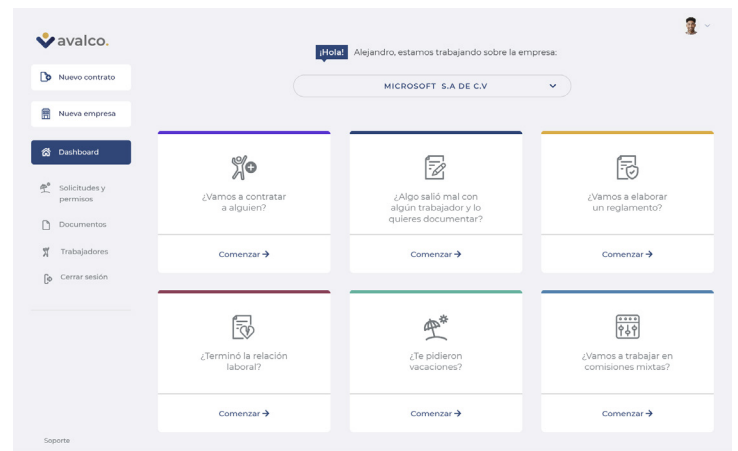
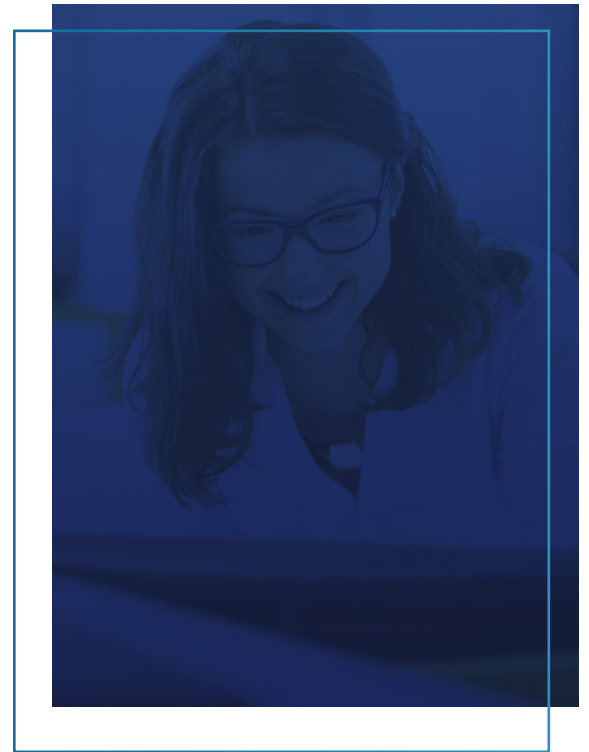
We develop the platform practically from scratch. Currently it is a functional and fully operational system, our engineers provide support and maintenance to the system and servers.

YEAR

2019

TECHNOLOGIES

PHP, Vue.js, AWS





# MANIFEST OF AGILE DEVELOPMENT

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We are uncovering better ways of developing software by doing it and helping others do it.  
Through this work we have come to value:

**Individuals and interactions** over processes and tools.  
**Working software** over comprehensive documentation.  
**Customer collaboration** over contract negotiation.  
**Responding to change** over following a plan.

That is, while there is value in the items on the right, we value the items on the left more.

KENT BECK, MIKE BEEDLE, ARIE VAN BENNEKUM, ALISTAIR COCKBURN, WARD CUNNINGHAM, MARTIN FOWLER, JAMES GRENNING, JIM HIGHSMITH, ANDREW HUNT, RON JEFFRIES, JON KERN, BRIAN MARICK, ROBERT C. MARTIN, STEVE MELLOR, KEN SCHWABER, JEFF SUTHERLAND Y DAVE THOMAS.

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