



ABOUT

WHAT WE DO

CASE STUDIES

WHERE ARE WE

Background

Netfork is founded by experienced IT professionals from Novi Sad, Republic of Serbia, who have been leading their own software development team since 2013 in various mid-to-high complexity projects

Who We Are

In 2019 we joined forces with other software development teams with whom we collaborated in the past and created Netfork, a community of 1000+ IT professionals. The community members are carefully chosen, helping us support a wide range of technologies and increasing our capacity to provide quality services to our business partners.

TEAM
MEMBERS

1000+

Software developers

DevOps

Designers

QAs

What We Do

We offer Consulting services, Mobile, Web, AI, AR/VR and Blockchain software development and we can cover all activities that fall under SDLC of a specific product.

TECHNOLOGIES WE USE

BACKEND



FRONTEND



AI/ML



MOBILE



VR/AR



BLOCKCHAIN





Case Studies

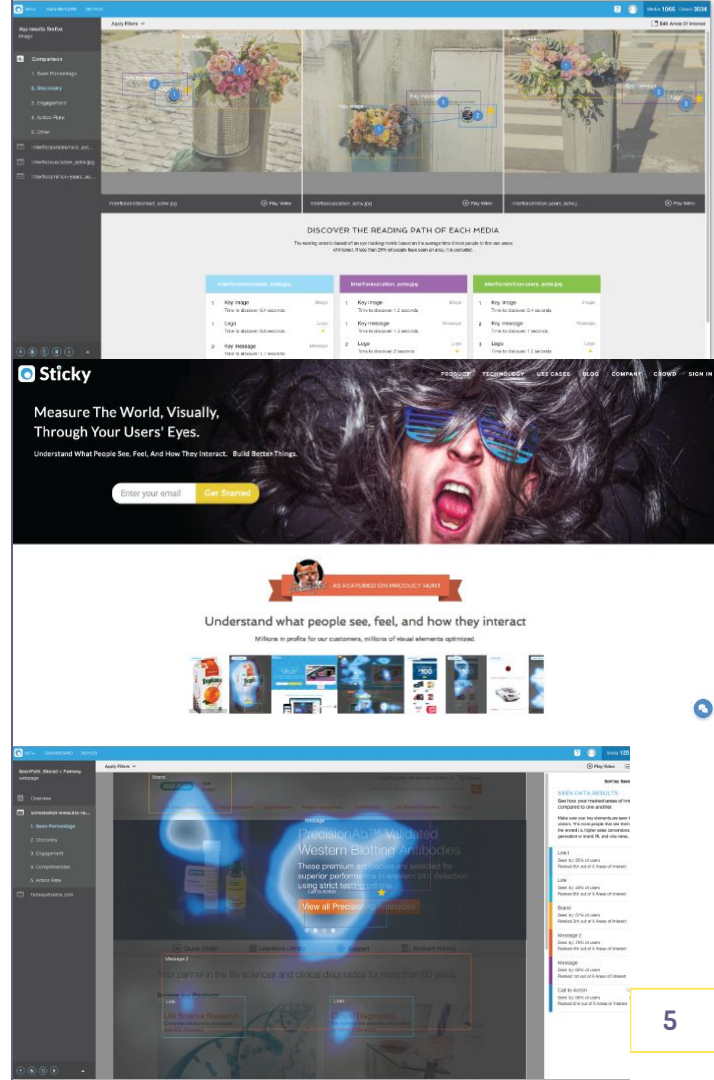
Sticky by TOBIIRO

MARKET RESEARCH - sticky.ai

Sticky is an online platform for creators, advertisers and designers, helping them understand what their users see on a website. This cloud-based solution enables large-scale, demographic-specific studies using webcam eye tracking, ideal for measuring the visual impact of digital assets such as images and videos.

The platform is integrated with online survey engines and panel companies with global reach, enabling distributed data collection set up. The webcam technology makes it easy to set up panels across the globe and allows for testing of images and videos conducted at large scale with quick turnaround time.

Having built the entire front end web application which measures the overall engagement, detailed eye movements, survey responses and emotions (written in VueJS), we moved onto the backend. Written in Python, it handles the processing of webcam footage and all viewed data. We also handle the DevOps side, using all large-scale AWS.



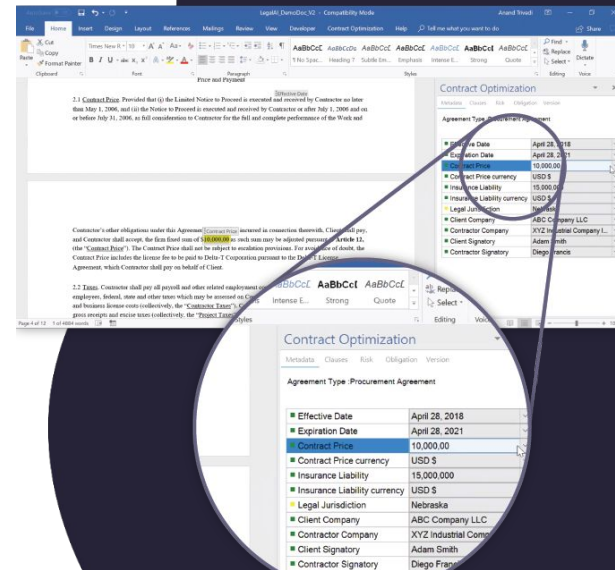
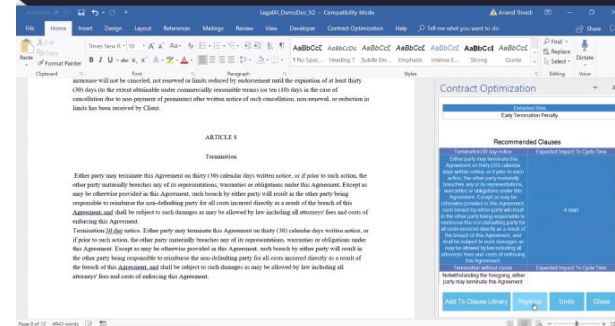
APTTUS

ARTIFICIAL INTELLIGENCE - Apttus.com

Apttus Contract Optimization is an AI tool that helps successfully detect critical contract clauses for clients that collaborate with Fortune 500 companies using natural language processing (NLP).

What we're building is a Microsoft Word plugin which uses our custom algorithm and different metadata to look for potential risks. Once found, it creates a list of all risks for an expert's review. The entire tool is being built in cooperation with Apttus' leading AI architects.

Our team is using Python and Django for building REST API, as well as AI specific python libraries (scikit-learn, spaCy, pandas).



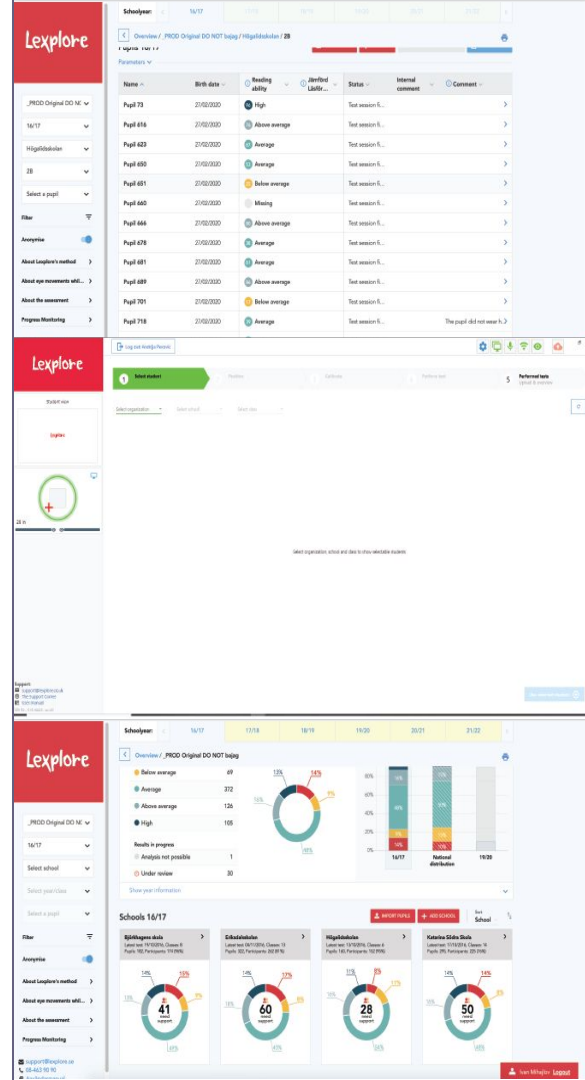
LEXPLORE

ARTIFICIAL INTELLIGENCE - Lexplore.com

Lexplore is an innovative rapid reading assessment tool, powered by eye-tracking and artificial intelligence. Thanks to eye-tracking, users can even get fluency data for silent reading.

Our team was responsible for maintaining, refactoring for better scalability and developing new features.

The front end was built with React and Redux. The backend uses .NET and Windows services. The Microsoft Azure suite is also used.



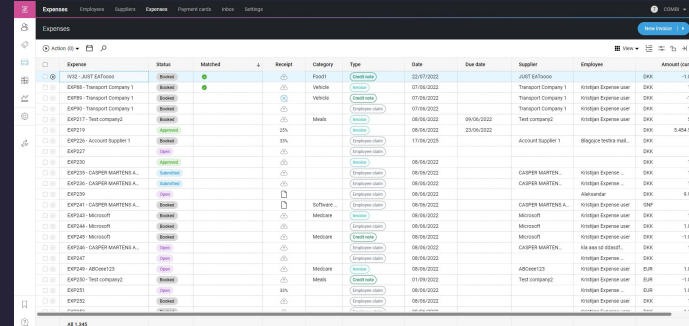
ZENEgy

FINTECH - zenegy.com

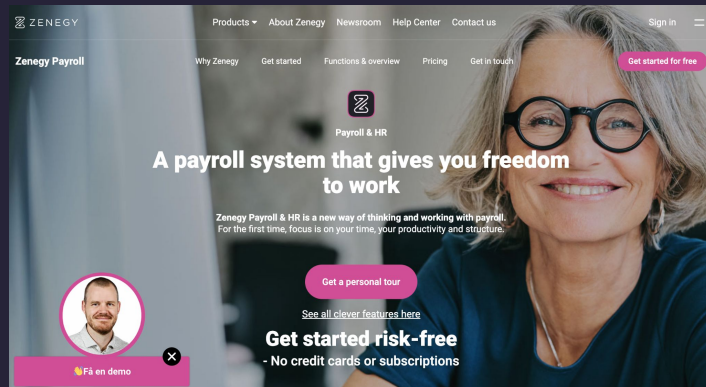
Zenegy is a leading player on the market within payroll systems. Payroll is the current flagship of the Zenegy platform and is a revolutionary Payroll system, which boasts of many complex, innovative and unique features. Time is a tool for tracking work and task related hours and minutes. With Admin, you get complete transparency and control over your customers' payroll administration, as well as the most innovative solution on the market.

Netfork and Zenegy are collaborating on an outstaffing basis, with Netfork tech talent successfully integrated into Zenegy product teams' processes and standards. Netfork engineers have long-term dedication within the mentioned setup, during which they have been learning about Zenegy products' requirements and being determined to add value throughout the process.

Zenegy as a platform was built on Azure using micro-service architecture and .NET and Angular as the frameworks of choice. The development practices rely heavily on Domain-Driven Design and the best practices that arise from it, such as the Repository pattern, CQRS and similar.



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Zenegy Payroll Why Zenegy • Get started • Functions & overview • Pricing • Get in touch

Payroll & HR

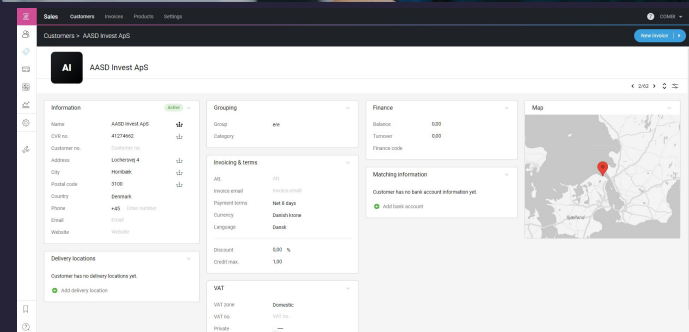
A payroll system that gives you freedom to work

Zenegy Payroll & HR is a new way of thinking and working with payroll. For the first time, focus is on your time, your productivity and structure.

Get a personal tour

See all clever features here

Get started risk-free
- No credit cards or subscriptions



Admin Customers • AASD Invest ApS

Information

Name: AASD Invest ApS
CVR No.: 41274402
Company type: Limited liability company
Address: Løkkenvej 4
City: Nordhavn
Postal code: 2100
Country: Denmark
Phone: +45 1234 5678
Email: info@aaas.com
Website: www.aaas.com

Grouping

Group: aaas
Category: aaas

Accounting & terms

Accounting: aaas
Payment terms: Net 30 days
Currency: Danish krone
Language: Danish

Delivery locations

Customer has no delivery locations yet.

Finance

Balance: 0.00
Turnover: 0.00
Finance code: aaas

Matching information

Customer has no bank account information yet.

Map

Map showing location of AASD Invest ApS in Nordhavn, Copenhagen.

BROKER ONLINE EXCHANGE

FINTECH - Brokeronlinexchange.co

The platform is a one-stop shop for sales brokerages and energy suppliers in the energy (gas & electric) supply industry. This is a fully customized solution developed from the bottom up.

Agencies can analyze best pricing options, generate proposals and contracts for their customers, and ensure that commissions are paid and payment schedules are maintained.

This is a web-based platform, with all new features being built with GraphQL and Vue.js.

Technologies used on this project include PHP (Yii2), MySQL, MongoDB, Elastic Search, GraphQL, Vue.js, Node.js, and Tailwind CSS.





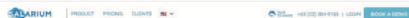
"Since Day 1, Salarium's support team has been very accommodating and helpful. It's amazing how the management chose the people who are tasked to help clients like us."

Christine Castro
Business Manager



SALARIUM

FINTECH - Salarium.com



We've helped over 500 companies.



Salarium is a successful Philippines startup with an initial equity investment of \$500,000 from Seedstars World. It started as a Payroll app, and, over the years Salarium increased the number of available features to SALPay, Time & Attendance and Employee Self-Service.

Our primary role in Salarium was developing the Time and Attendance and Payroll services from the ground up. This involved setting up microservices that can hold and present company and employee data, dynamically generate PDF files with tax calculations, and integrate with alternative tax & payroll apps written in various frameworks.

The technologies in use include AWS hosted Linux server, PHP Lumen Framework, Redis, Memcached, RabbitMQ, and Vue JS.

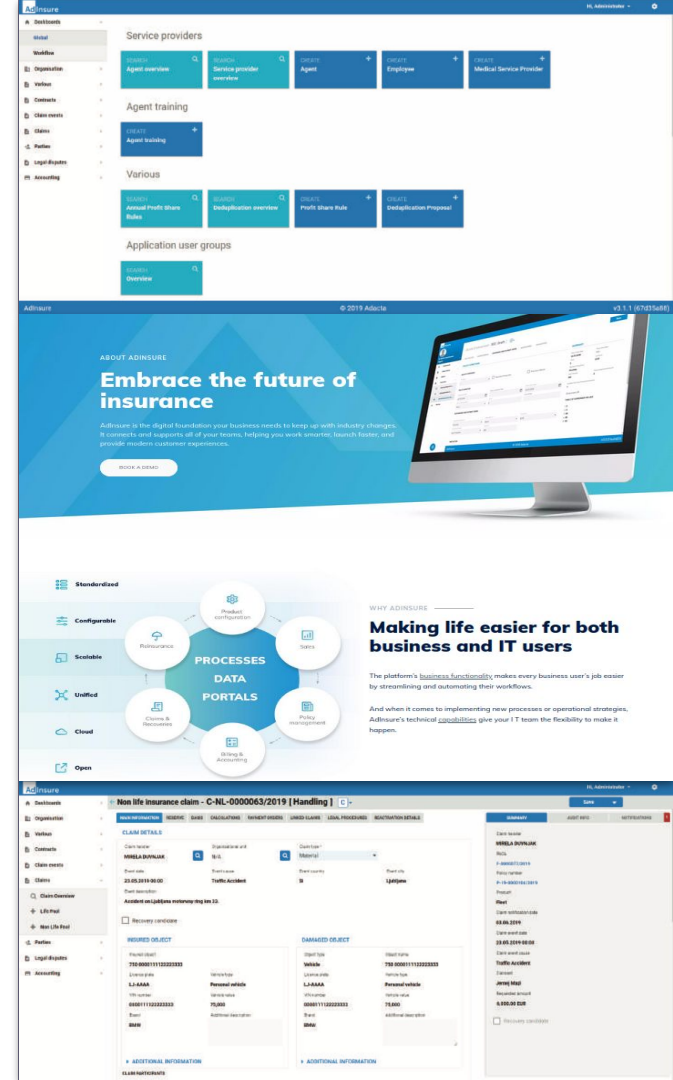
ADINSURE

INSURTECH - adacta-fintech.com

Adacta is a leading insurance software provider. Their main product is AdInsure, an enterprise software solution providing support for counter-party management, agent and sales portal, policy administration, claims management, and reinsurance.

Beyond AdInsure, we are also working on a wide variety of integrations with solutions like SAP, Active Directory, Big Fish payment, and DUR.

The REST API was written using .NET, while the frontend was built with Angular JS.



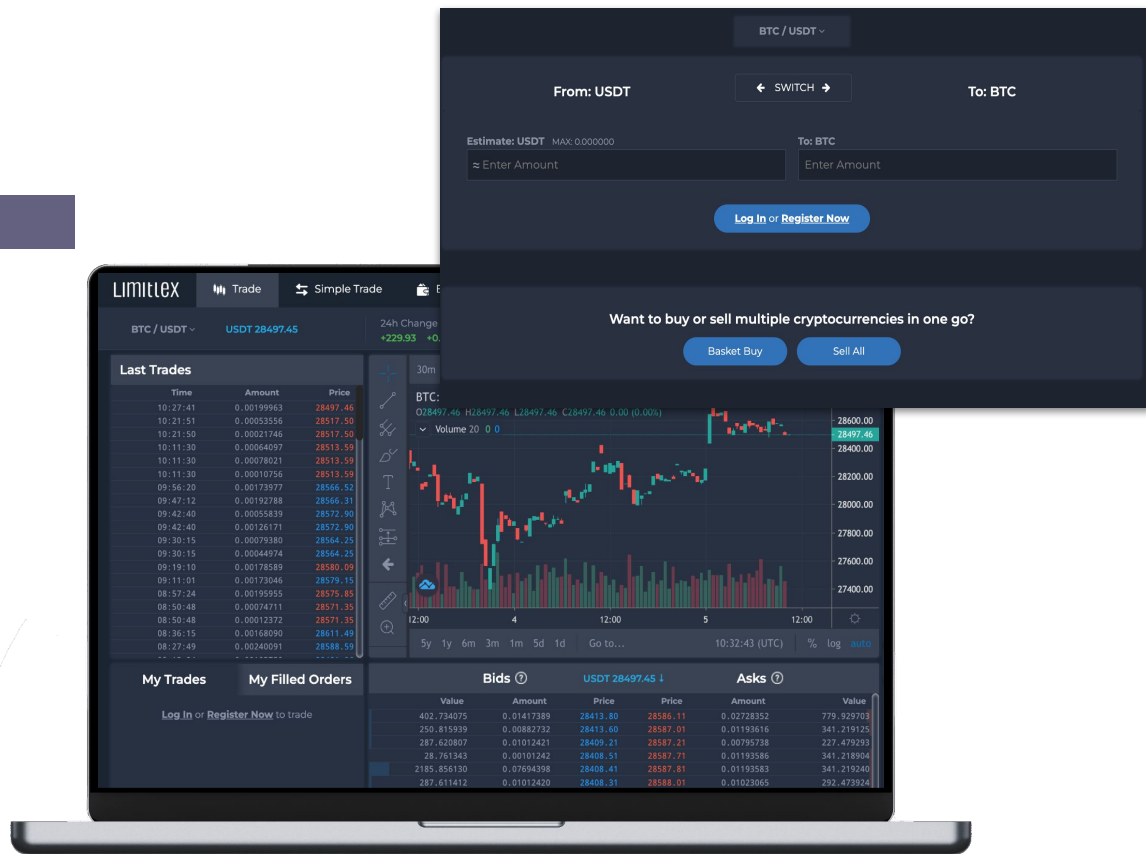
LIMITLEX

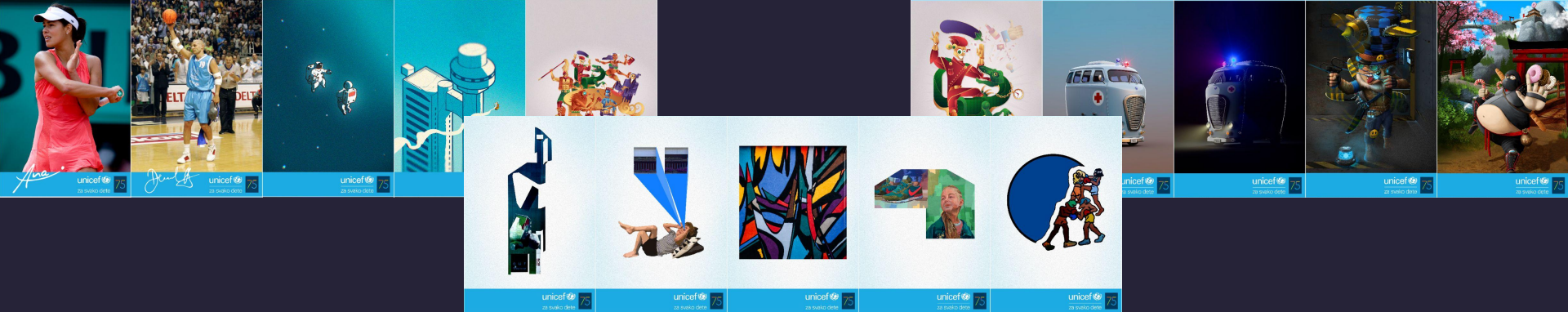
FINTECH (Blockchain) - limitlex.com

Limitlex is a centralised exchange where users can quickly and securely trade Bitcoin, Ethereum, Ripple, USDT and other cryptocurrencies. The platform features an easy-to-use interfaces and provides several smart features that help our users efficiently manage their orders and trades.

The entire platform—with features such as multi-currency trade orders, portfolio management, and integrations with e-commerce platforms (e.g., Magento)—is written from scratch in pure JS and PHP with strict security requirements in mind. We leverage Golang for blockchain integrations and confine them to the backend for security.

We also worked with the client to fully automate the functional and regression testing of Limitlex using JS, PHP and Cypress.





UNICEFNFT

NFT - [Crypto4good.unicef.rs](https://crypto4good.unicef.rs)

During TMRW 2022, a major tech event in May 2022, UNICEF was receiving donations for the children of Ukraine in crypto. Contributors of a certain level were able to mint a UNICEF NFT. The project's primary goal was to break the established ceiling of average donation sizes.

We helped design and build the donation web app, landing page, and API for listing all UNICEF's wallet donors. We also implemented a custom NFT minting protocol for invoking contract methods while minimizing cost.

We used Python, AWS Lambda, Solidity, and IPFS to build the entire platform.

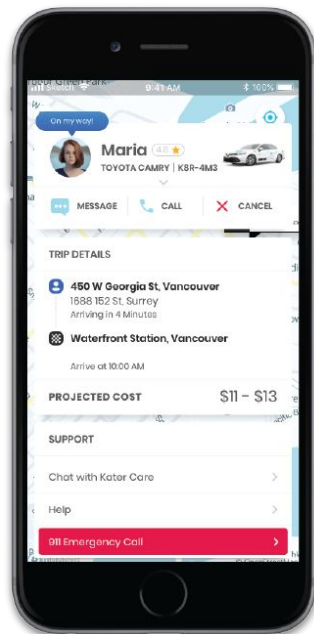
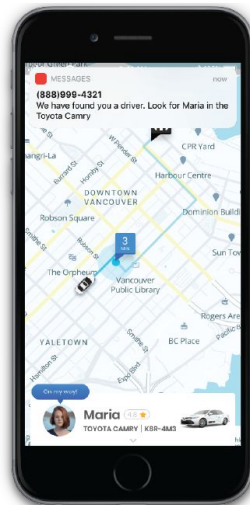
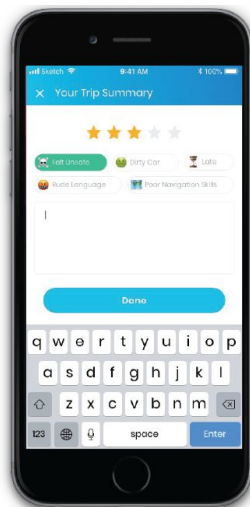
KATER

MOBILITY TECH

Kater was a Lyft and Uber alternative for British Columbia; a local ride hailing solution. Unfortunately, the application never went to production because it was denied an operational license by the authorities in British Columbia. However, the entire software solution was completed and beta-tested.

The whole system consisted of two separate mobile applications, one for drivers and one for passengers, as well as a back-office for system administrators. We included all the core features found on similar systems, such as ordering rides, ride quotes, accepting and tracking rides, etc.

The mobile applications were available for both iOS and Android, we used Swift and Kotlin to build native applications ensuring optimal performance and user experience. The server application and the back-office were developed using NodeJS (Express framework) and React, with the real-time communication being conducted via websockets



LYT

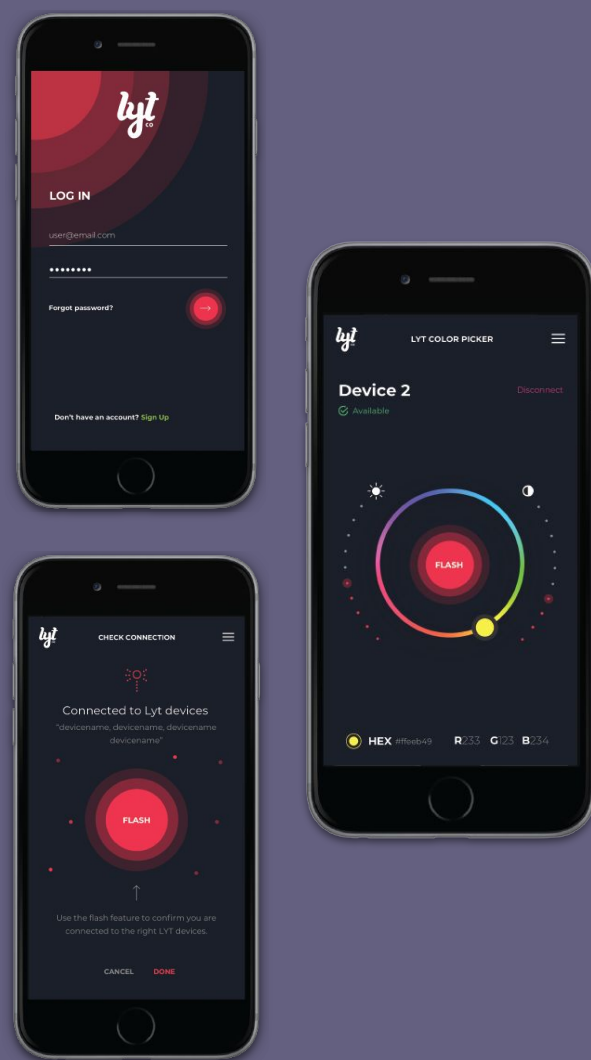
ENTERTAINMENT

Lyt is a unique festival lighting experience and an IoT solution that handles light lanterns which festival visitors get at the entrance. Lyt allows visitors to pair their phone with a lantern and create light sequences while at the festival. These lanterns are also managed by the festival staff during the concerts.

Festival lightning designers use a desktop application to transmit their DMX lighting console commands to remote lanterns using RF signal and custom-made antennas placed within the camping site.

We were involved in the whole process - from gathering and brainstorming requirements to finding appropriate solution and building an architecture that can support it. We were responsible for creating hardware parts (lanterns, antennas) and software (firmware for the hardware parts, iOS and Android application, desktop application for both Windows and MacOS).

We used ReactNative to build mobile applications, while the desktop application was built using React in combination with Electron. Firmware was developed using C. We also created the hardware part of the solution - the lighting device itself.



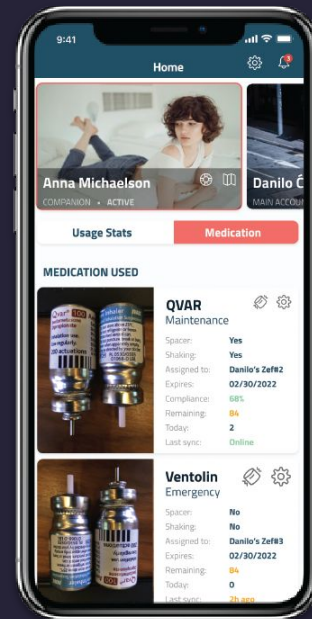
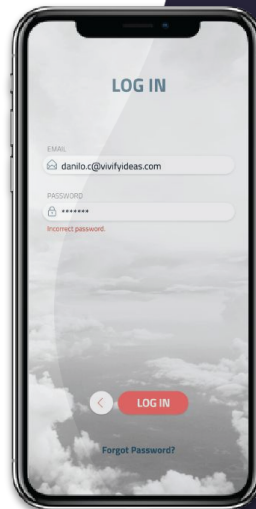
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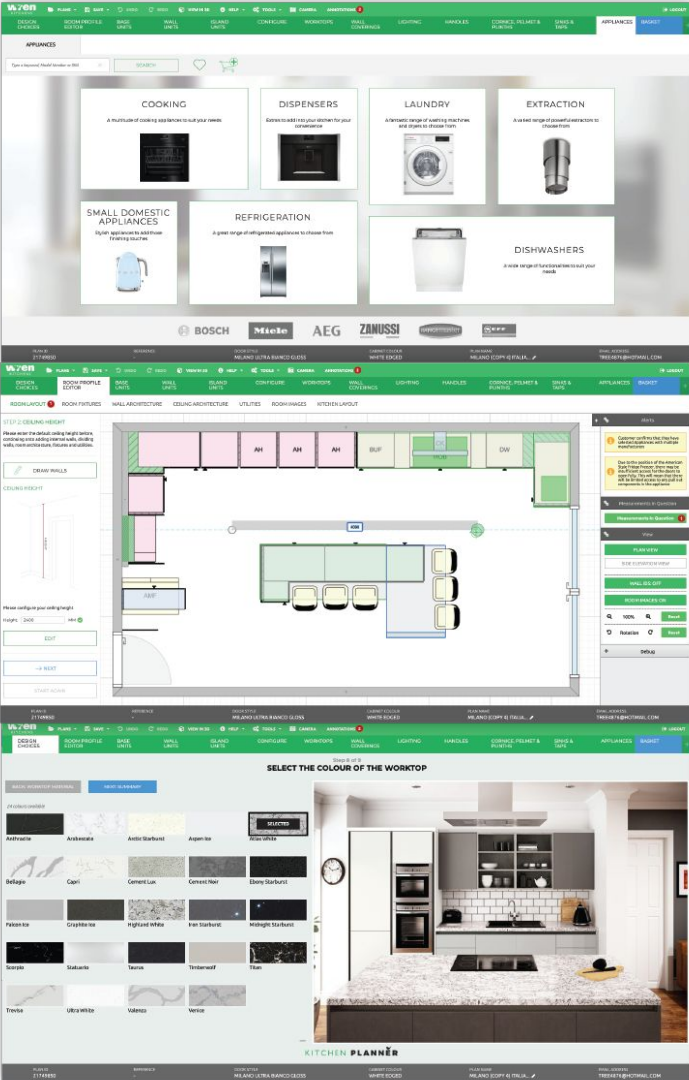
FITNESS AND HEALTH

Zef is a hardware device that helps people with asthma track their medication usage. It is a truly life-changing product as its companion app enables users to taper their medication as perfectly as possible, set treatment plans and export usage reports, as well as get notified before the inhaler runs out or expires.

Built entirely from the ground up, the app also takes note of which locations provoke the use of the inhaler and pins them on an interactive map so users can evade areas that trigger certain allergies or asthma attacks.

The app also features parental controls and options to track and manage multiple accounts. All the data transferred between the app and the hardware device is encrypted and uses Bluetooth Low Energy technology. The app itself was developed with React Native, including custom admin panels, while the backend is built with Laravel.





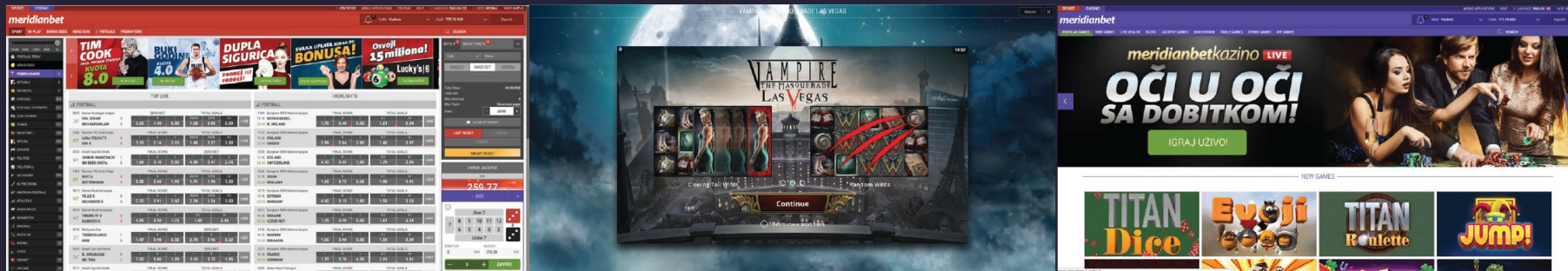
Wren Kitchens

PROJECT MANAGEMENT, HUMAN RESOURCES

Wren Kitchens is a British designer, manufacturer, and retailer of kitchens. The company has 90 showrooms in the United Kingdom, and its headquarters is in Barton-upon-Humber in North Lincolnshire, England.

Online Kitchen Planner is a tool used by clients to design their perfect kitchens. The design is later forwarded, manufactured, delivered and installed.

Planner logic is implemented mostly using vanilla JS and TypeScript. Canvas was used for drawing and editing plans, and other UI parts are built with React.



Meridianbet

ENTERTAINMENT - Meridianbet.rs

Meridianbet is Serbia's first licensed online sports betting platform. It is now available in over 40 countries, producing over 1 million odds per month and over 45,000 betting opportunities every day. Users can bet on sports games and try their luck at over 300 online casino slots and table games.

Our work on the project consisted of the entire frontend interface where users can deposit their money, place their bets and play online casino games. We've also developed the backend responsible for fast and seamless live updates of the entire website's content, as well as the configuration server.

This multisite application is written using NodeJS framework - SailsJS, Angular 7, and Laravel 5. Considering how interactive the site is and how quickly the information flows, it is extremely responsive.

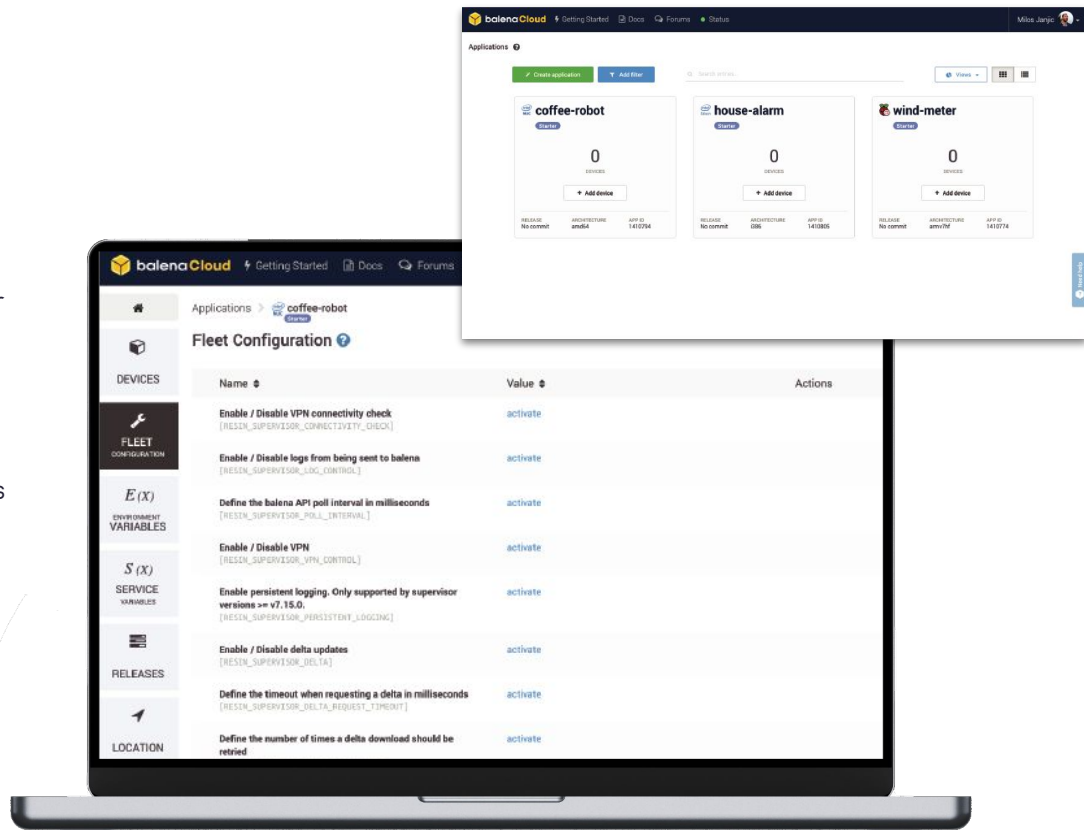
Balena

IoT + WEB

Balena (former resin.io) is a complete set of tools for building, deploying, and managing multiple (one or one million) connected Linux devices.

It is a container-based platform that allows developers to focus on the application (and business domain) not on the infrastructure problems and operations (like application monitoring, remotely updating).

We were building SPA (using AngularJS framework) that will enable users to seamlessly add, configure and monitor devices for their fleet. This product is now called BalenaCloud.



Where are we

Southeast Europe - An Offshoring Destination

- The majority of our team is based in Novi Sad, in Serbia, but we also have a presence in other Balkan countries
- English language mandatory throughout formal education
- Business culture in IT that meets the highest expectations

Competitive Advantages

- Uncompromising quality, always
- Tailored prices, appropriate seniority and expertise according to project needs
- High language proficiency, comfortable working in distributed setups
- Proven long-term partnerships with clients across the globe



HAVE A NICE DAY!



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