

# Projects Portfolio & Case Studies

**WebBoxes s.r.o.**

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## 0. Executive Summary

The software industry has grown over the century from a theoretical-research area to one of the most important industries of any nation, today's economy became increasingly technological and dependent on computerization and software, intensified by the global pandemic situation, more and more private individuals and businesses in Europe and the Czech Republic in particular are moving their businesses to online platforms for work and everyday interactions. The IT market of Czech Republic in terms of its share of national GDP per capita, is the fourth-largest in the EU, ranks 14th in the number of employees with Internet access, 21st in the number of employees working online and 16th-17th in the number of purchases made over the Internet.

WebBoxes is a software development company, specialized in web apps and custom business software development, machine learning & AI applications development for businesses, p2p & decentralized blockchain applications development, ERP, CMS, ecommerce, UI UX, mobile apps, branding — and everything in between. The services include custom software development, Big Data, AI/ML, IoT, and cloud solutions. WebBoxes company has significant experience with major companies from various key industries (financial sector, public safety, online services and others) and has its own internal projects for online services and digital products (such as the visual website builder webb0.com, AI-based automatic 360 3d real estate tour creator 360rior.com, supply chain p2p production network 3ior.com, video-calling tool all0e.com and others ).

The vision of WebBoxes is to be a reliable software development partner for customers throughout with concentration on EU and US markets.

The main products and services of WebBoxes are: custom business software development, sale of software products, offer of subscriptions for own software products and services (SaaS, webb0.com, etc.), advertisements sales within developed Android / iOS mobile applications, training services, technical support.

Currently the team composition is in accordance to clients projects needs and is gradual expanding of team.

Despite number of existing competitors (IT companies located in Czech Republic and EU generally) WebBoxes products and services are in demand due to proven with large portfolio strong expertise in key technological areas: Web, ML, AI, mobile/desktop Apps.

Our service is found useful to most branches of businesses due to uniqueness of WebBoxes competencies, strong team of engineers with 15+ years of experience in tech field.

The target segment of WebBoxes is represented by 3 areas:

- **large business companies (250+ employees)** that need a tool to increase profits or minimize costs through technical tools
- **small companies (1-50 employees)** that need a tool to attract customers,
- **private and public companies** (non-product companies and non-profits) that need keypoint/private solutions using the latest developments in machine learning, artificial intelligence, cutting edge web tech etc. in the form of software, application services.



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WebBoxes is looking for new partnerships to expand and has established a risk-free easy-entry procedure to try our cooperation with WebBoxes to find the competitive advantage in the market being supported by such solutions provider as WebBoxes.



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## 1. The Business Opportunity

The software industry has grown over the century from a theoretical-research area to one of the most important industries of any nation.

From 2000 to 2024, this industry has developed dynamically in Europe and US. The particular relevance and growth of software development services has been intensified by the global pandemic situation, more and more private individuals and businesses in Europe and US in particular are moving to online platforms for work and everyday interactions.

The software development industry has the potential to grow because there is a significant demand in this industry as all sectors of today's economy become increasingly technological and increasingly dependent on computerization and software. More and more businesses are adopting programs that will increase efficiency and reduce operating costs to look for ways to avoid being affected by possible future economic downturns - also related to the economic damage caused by the pandemic and quarantine situation - across all sectors of the economy.

According to CzechInvest, the Czech IT market, in terms of its share of national GDP per capita, is the fourth-largest in the EU. The Czech Republic ranks 14th in the number of employees with Internet access, 21st in the number of employees working online and 16th-17th in the number of purchases made over the Internet.

Cloud computing capabilities have created several benefits for companies that have realized the positive effects of virtual offices and the savings implications for the company. This technology has helped companies not only reduce overhead costs, but also improve productivity.

Another plus for companies is virtualization, which not only allows them to eliminate multiple server farms, but also makes the IT infrastructure more economical and flexible while increasing performance and reducing costs.

There are moderate barriers for new businesses looking to enter this industry; however, some software product segments have a higher barrier (such as the government sector or healthcare) than other segments.

Patents and commercial licenses are widespread in this industry and serve to limit competition, although some companies willingly license their proprietary technology.



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## 2. Company Description

WebBoxes is a software development company, specialized in web apps and custom business software development, ecommerce, UI UX, mobile apps, branding — and everything in between.

WebBoxes Company develops software for general purposes and for specific purposes for our various clients. Company also has training services (as well as providing a practical education for trainees from local Technical Schools in Czech republic). Another direction of services is technical support according to business needs.

Supply big corporations and tech innovators across the globe with solutions in the automotive, financial, transportation, telecommunications, retail, agriculture, public safety, healthcare and edtech domains.

The services include custom software development, Big Data, AI/ML, IoT, and cloud solutions.

We have experience and projects in such areas as:

- Web Apps Development, Android / iOS / KaiOS Mobile Apps,
- E-Commerce / Online Store / Custom Business Software,
- UI / UX / Product Design,
- Embedded systems development, Internet of things, Blockchain applications development,
- Software Development, Artificial intelligence apps, Machine learning apps, and Big Data & Analytics

At the moment there is a number of implemented projects for major companies from various key industries, such as:

- Financial sector (J.P. Morgan bank)
- Public safety sector, fire departments and police (Frequentis AG)
- Embedded systems, eye-tracking smart glasses (View Point Systems GmbH)
- Logistics and transportation sector (FASTERRR Logistics a.s.)
- Online services businesses (Die Socialisten GmbH, PRESCREEN GmbH, Wingpaper GmbH)



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- and others

WebBoxes also develops its own internal projects for online services and digital products, such as:

visual website builder <https://webb0.com>

AI-based 3d 360 tour automated creator platform: <https://360rior.com>

ML/ AI-based supply chain production communication network: <https://3ior.com>

Video-Calling Conference p2p WebRTC communication platform: <https://all0e.com>

Webboxes strives to demonstrate a fair business ethic at every point in our business. The company takes responsibility for its high standards and ensures that all of webboxes team members are attuned to these standards to positively promote the company.

As a result, WebBoxes Company is constantly implementing know-how methods and template-structures, processes and development areas to ensure the company keeps the best talent in tech space, our team has best programming professionals with 15+ years of experience that can handle any level of complexity in any branch of business and deliver competitive edge innovative solutions to your business.



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### 3. Products and Services

However, the WebBoxes company intends to provide a high level of service to all of its clients and partners, including training and technical support.

We also establish affiliate types of cooperations with companies:

we can become a technological partner of your company and your business can sell our know-how/skills and expertise to your clients, maintaining partnership structure.

Some of the services and products that WebBoxes company provides are:

Software development according to customer requirements in the European Union and US:

- Sale of own software products / blueprints / in-house developed darft-apps
- Offer of subscriptions for own software products of WebBoxes (SaaS)
- Advertising sales within developed Android / iOS mobile applications
- Training services
- Technical support



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## 4. Team

At the moment, the following team composition is planned:

- Management – 1 person (General Director)
- CFO / HR / Finances & operations – 1 person
- Marketing / PR / SMM – 1 person
- Sales – 1 person
- Project manager / Office manager – 1 person
- Support manager – 1 person
- Web Designer – 1 person (UI / UX / Product Design)
- Software Engineers – 5 persons

Engineers:

- Fullstack /or Backend Software Engineers (Software Development, Artificial intelligence apps, Machine learning apps, and Big Data & Analytics, Embedded systems development, Internet of things, Blockchain applications development),
- Frontend Web Developers (Web Apps Development, E-Commerce / Online Store / Custom Business Software),
- Android / iOS Developers (Android / iOS / KaiOS Mobile Apps)

Depending on the project need we can quickly scale our team and expand for your project, as we have many established cooperations.



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## 5. Projects Portfolio and Case Studies

### 1. Lylu GmbH <https://lylu.de>

A tablet designed specifically for seniors, combining features of smartphones and laptops to provide an easy-to-use digital solution.

We implemented a tablet with lots of automation on the background, implementing latest advancements in AI with open source model from Meta inc. with Llama running on our cloud consumed via API as well as running minimal fine-tuned optimized models for privacy on device.

### 2. Viewpointssystem GmbH <https://viewpointssystem.com>

Development of a web application for streaming data with WebRTC from smart glasses, enhancing user experiences in various industries for remote tech support solutions, training and military tech applications in defense sector.

Cutting edge Web technologies React.js/Next Node.js/Nest were used to allow very efficient low latency streaming app to be part of VPS products ecosystem that now has competitive advantage on the market against other competitors.

### 3. Frequentis AG <https://frequentis.com>

[https://www.frequentis.com/sites/default/files/support/2020-04/Frequentis\\_PS\\_LifeX.pdf](https://www.frequentis.com/sites/default/files/support/2020-04/Frequentis_PS_LifeX.pdf)

We helped developing Project 'LifeX' that focuses on creating a communication hub that enhances real-time communication and data sharing for public safety organizations, emergency services. Users of this system include firebrigades in European countries, police force of Austria, Bavaria, UK, international airports.

### 4. Netconomy GmbH <https://netconomy.net>

Building e-commerce solutions based on React.js and headless Hybris (SAP) to provide tailored shopping experiences.

### 5. Dr. Hartl Car Rental <https://drhartl.at>

We were outsourced by other IT tech company in Austria, Vienna - to devlier a few critical modules for their clients web application of car rentals company name "Dr. Hartl Car Rentals GmbH"

A platform for car rental services in Austria, providing users with seamless booking and customer support. We also helped resolving critical scaling challenges that company had.

### 6. ORF Broadcasting Television Company of Austria <https://orf.at>

We were outsourced by other IT tech company in Austria, Vienna for their client – where we developed a few modules for internal platform in collaboration with ORF , developed digital broadcasting modules and solutions with WebRTC, enhanced viewer engagement and content delivery.



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7. **ÖGB** <https://oegb.at> Trade Unions of Austria

We were outsourced by other IT tech company in Austria, Vienna for their client – where we were in development of a digital platform to support trade union activities and member engagement across Austria.

8. **Socialisten GmbH** <https://die.socialisten.at>

Collaborated with a Company that owns a digital platform for social engagement, connecting users with like-minded individuals and promoting collaborative projects.

8.1. Walls.io <https://walls.io>

A social media aggregator that collects and displays user-generated content from various platforms, enhancing event experiences and brand engagement.

8.2. Swat.io <https://swat.io>

Social media management tool that allows brands to engage with their audience effectively and analyze performance across multiple channels.

9. **Dcodeit Ltd.** <https://www.dcodeit.com>

Collaborated with UK tech Company that has a project focused on developing coding education tools, enabling users to learn programming through interactive and engaging methods, as well as providing digital services, software development for their own clients.

**Reality Gaming Ltd.** own internal project of Dcodeit

Development of immersive gaming experiences that utilize virtual and augmented reality technologies for enhanced player engagement.

Architecture Schematic:

![Architecture Schematic Placeholder](insert\_schematic\_here)

10. **JP Morgan Bank** <https://www.jpmorgan.com>

We were outsourced by other IT tech company in London, UK for their client – JP Morgan Bank, collaboration with JP Morgan to develop financial technology solutions that enhance banking services and controlling, reporting experiences for internal JPB Employees.

11. **Prescreen.io** <https://prescreen.io>

We helped developing an innovative recruitment tool that streamlines the hiring process, utilizing AI to match candidates with job openings efficiently, connecting multiple job platforms into 1 hub where recruiters can efficiently manage their recruiting campaigns. Platform had 150 000 Users in 90 Countries. The project was later purchased by company Die Xing AG (<https://xing.com> LinkedIn competitor from Germany) for 17 Million Eur ( [link](#) )

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12. **Wingpaper GmbH** <https://wingpaper.com>

We helped Wingpaper to develop an online platform for sharing and discovering digital documents converted in HTML5 magazine format, incredible tool for publishers and magazines, named by some external reviewers as “Youtube for Documents” where publishers and private users can earn on their content, wingpaper shared revenue from advertisers to users in similar way as Google does in Youtube Platform. Creative writing, providing tools for writers, bloggers, scientists, magazines and publisher companies to publish and promote their work.

13. **Emotio.io** <https://emotio.io>

Supported an early seed startup project and helped their team to create a platform that analyzes user emotions through AI and machine learning, using Action Points technique backed by scientific research of Muscle Actions of Face to indicate types of emotions and emotional state of the person through analyzing of camera video stream, including advanced LiDAR-based cameras in some of prototypes, providing insights for improving user engagement and satisfaction.

14. **Cryptostarter.io** <https://cryptostarter.io>

Developed a blockchain-based decentralized crowdfunding platform (type of Kickstarter.com project on blockchain) with help of tools from <https://ethereum.org> Ethereum Solidity ERC20 technology dedicated to any type of project, idea, startup, cryptocurrency projects, allowing innovators to raise capital from global investors while ensuring compliance and transparency. Innovators were able to create their own product-token that early backers could later exchange to final released product that they expect, as mean of payment, as well as the way of exiting the expectation on product by selling it to other backers that were late to make the pre-order.

15. **Bitmessenger / WhiteSphere** <https://wiki.bitmessage.org> <https://bitmessage.org>

We helped an open source project, and participated in creation of secure, decentralized messaging platform that aimed at ensuring end-to-end p2p encrypted communication messenger (like Signal App, but completely decentralized, based on Bitcoin protocol) Bitmessenger allows users to send messages, files, and multimedia with high-level encryption. <https://wiki.bitmessage.org>

16. **Kenzen.com** <https://kenzen.com>

Helped an early US startup to build a Web App for wearable technology that monitors firebrigade team members’ health and environmental conditions to enhance workplace safety. A product that saves lives of those who helps saving lives.



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**17. Finexio.com** <https://finexio.com>

A fintech platform that optimizes accounts payable processes using AI to enhance payment efficiency and security.

**18. Coolmath Games Inc.** <https://www.coolmathgames.com>

We helped US company in Development of multiple web-based online games, one of the most successful was Hangman game: <https://hangman-backend.coolmathgames.com> providing an engaging online and mobile experience for users. We developed web-based games as well as ported them to run as mobile based games (iOS, Android)

**19. Virtualbrix, Inc.** <https://www.upwork.com/agencies/virtualbrix/>

We collaborated and were outsourced by US company that specializes in SEO and digital marketing, company that helps other marketing agencies track performance metrics and manage client relationships.

**20. Songsterr LLC** <https://www.songsterr.com>

We collaborated with US-based Company in helping to improve their online platform that provides interactive guitar, bass, and drum tabs, enhancing the learning experience for musicians.

**21. OpenPixee** (initial phase closed project on <https://github.com> )

A JavaScript CLI tool designed to assist developers in managing and optimizing JavaScript codebases efficiently.

**22. NewNew Inc.** <https://www.crunchbase.com/organization/newnew>

We helped early seeded US Startup from Silicon Valley that develops an engaging social media video platform focused on video sharing and decision-making through user voting and community engagement.

**23. OZ Trgokooperant z.o.o.** <https://trgo.si>

We helped Slovenian company that specializes in digital marketing and SEO, to create additional tools and modules for their platform, used by their customers, designed to improve online visibility for businesses.

**24. OS3 Srl (Italy)** <https://www.os3.it>

We helped Italian software company in some of their open-source solutions creatins and developments, OS3 provides a range of IT services including custom software and virtual reality experiences.

**25. LeafWorks GmbH** <https://leafworks.de>

Collaborated with German company LeafWorks to help create additional Reac.js-based Prodcts for their platform. Leafworks specializes in Custom support solutions based on Zendesk software, enhancing customer service capabilities for businesses.

**26. Intercap Registry Inc.** <https://www.intercap.inc>

Domain registrar company developing a platform for managing domains and content, integrating Contentful and React.js.



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**27. InfoHealth Ltd.** <https://www.infohealth.co.uk>

Collaborated with UK-based Company in Healthcare technology solutions for managing chronic conditions, integrating with NHS systems. WebBoxes was technological partner to develop innovative solutions of InfoHealth's customers.

**28. EdenSeven Ltd.** <https://www.edenseven.co.uk>

We collaborated with UK-based Company - Creative digital agency specializing in branding, web design, and digital marketing.

Edenseven is a dynamic UK-based technology company dedicated to delivering innovative digital solutions that drive business growth and enhance user experiences.

**29. Radycal System** <https://radycal.systems>

We collaborated with US-based company for blockchain development and solutions Radical Systems is a pioneering digital innovation firm led by Ashley Taylor, former Chief Social Innovation Officer at ConsenSys—founded by Ethereum co-founder Joe Lubin. They set a new benchmark in digital art trading by fusing next-gen web technologies with robust blockchain R&D. Using a modern tech stack of Next.js, React, and Node.js for a dynamic front-end experience, and integrating Solidity on Ethereum alongside the advanced ZK OP stack for secure, scalable transactions, Radical Systems developed an innovative white-label digital art trading solution. This project not only elevates user experience but also positions Radical Systems as a forward-thinking leader in the convergence of art and blockchain technology.

**30. BigBite s.r.o.** <https://bigbite.app>

Collaborated with Slovakian based Company BigBite s.r.o. - is a software company specializing in the development of cash register systems and CRM applications tailored for the restaurant industry. They focus on creating technology solutions that enhance customer management, streamline point-of-sale operations, and improve overall business efficiency. With expertise in building specialized software for hospitality, BigBite helps businesses manage their daily operations effectively through custom systems designed for unique industry needs.

**31. World.org / WorldCoin.org / Tools of Humanity GmbH / OpenAI inc.**

<https://openai.com> <https://world.org> <https://www.toolsforhumanity.com>  
<https://www.crunchbase.com/organization/worldcoin>

Collaboration with Company WorldCoin, founded by ChatGPT CEO Sam Altman and Alex Blania, is a project by Tools for Humanity that aims to create a global digital currency accessible to all. It combines blockchain technology with a unique identity verification process to ensure equitable distribution and access. WebBoxes s.r.o. contributes to WorldCoin's mission by developing mini-apps within the WorldCoin app, leveraging technologies like React.js, Next.js, and React Native to enhance user experience and app functionality.

