

IT Development Whitepaper

Software House: Ready for digital travel?

Your proven technology partner
in digital transformation



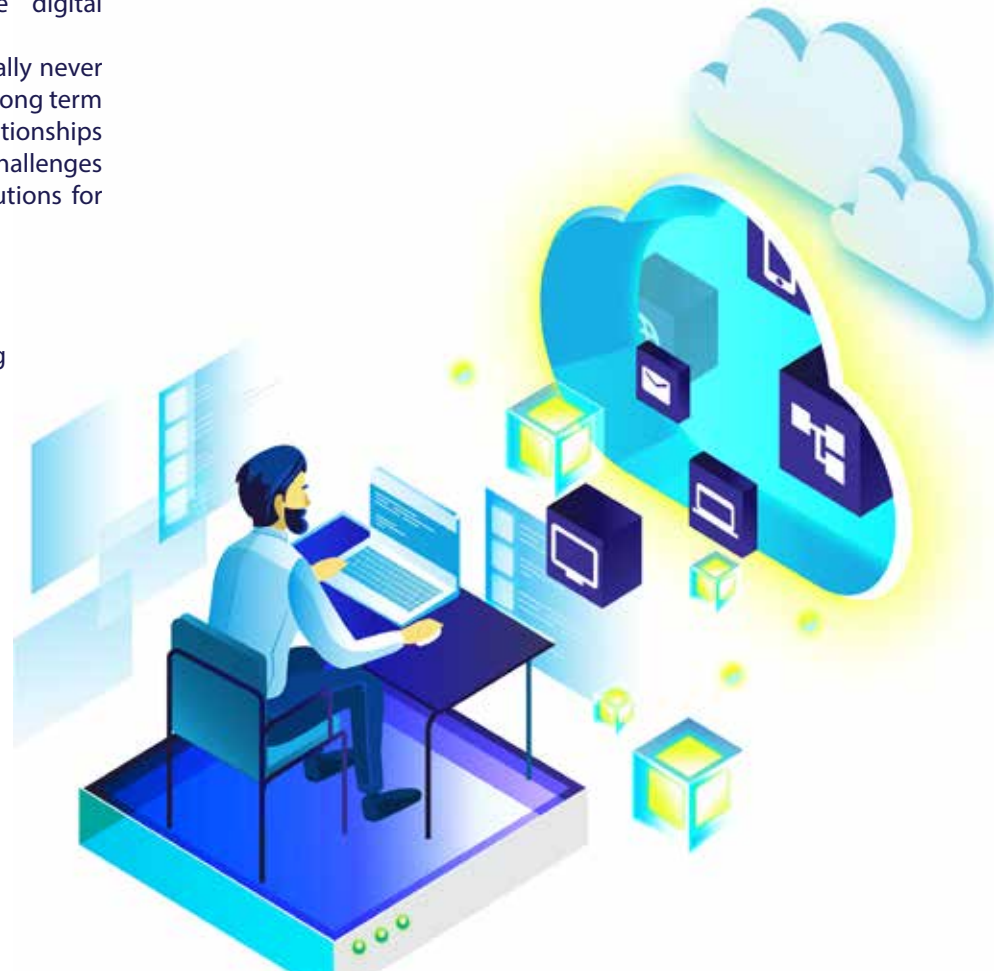
Our mission – Our mission is the digital transformation of our clients businesses.

But digital transformation is a process that actually never ends, so for us it is extremely important to build long term business partnerships with our clients. Such relationships allow us to understand the real problems and challenges you have, and also to propose appropriate solutions for specific circumstances.

For this purpose we place emphasis on:

- quality (no concessions or compromises)
- fast time-to-market (MVP scope)
- client's satisfaction (transparency, and providing complex solutions)

Our experience – we know that only experienced and a well-coordinated team can provide product of the highest quality. Our team is based on highly qualified and extremely experienced team members. During the last 15 years we have built our workshop by providing solutions for large financial institutions. We were responsible for designing, planning, analysing and developing complex and cohesive banking solutions and platforms.



Our portfolio

During our 15+ years of experience we have taken part in many projects and the biggest are:

- e-banking for Deutsche Bank
- e-banking for ING Bank
- e-banking for Raiffaisen Bank
- e-banking for Volkswagen Bank
- migrating complex banking solutions to private cloud for 100+ cooperative banks.
- digital transformation in Heidelberg

Why us

For the last 15+ years we have gained wide IT knowledge from different perspectives. We always co-operate very closely with our customers and that's why we exactly know exactly how to lead projects from idea to realisation.

We can be your partner at every stage for your IT projects, especially architecture, design, conception, development, automation and cloud migration.

People who make the team have operated in the market for many years, carrying out even the most complex IT projects. In 2015 we created our own brand. Its attention is focused mainly on creating a range of applications based on our own IT platforms. We have developed and implemented dedicated IT solutions resulting from the vision and needs of our clients. While working on our brand we have been guided by our passion, supported by professional experience and the conviction that the future is constituted only by products characterized by the highest quality.

Our team

backend developers, frontend masters, architects, devops, secops, graphic designers, UX

Business site

Technology is irrelevant if it does not give a business advantages.
This is our motto and thanks to this we are appreciated by managers and business people.

Our **business approach** and appropriate **technology selection** allows us to obtain benefits and cost optimisation for our customers.

Our experience shows how big an impact decisions of architects and product owners have on their projects.

To be completely sure about the final product quality use a lot of **proven techniques and methodologies**.

During our work, we always keep in mind how to **optimize customer costs** and deliver **high-quality products** to the market in the shortest possible time.

With us you can be sure that you gain not only a technological contractor but an **aware business partner**.

Improve your business: **Step By Step Guide**



Cloud migration

Every problem is different, having particular requirements and business goals. The most important thing is to always choose the best solution for each specific problem. We have been advising many institutions how to find the most efficient way to realise their projects, products and ongoing transformations.

The digital world is very attractive but every initiative should be driven by business aims not technology. Therefore the key skill is to choose the optimal solution for a specific problem to achieve the maximum benefit.



How to choose the right cloud solution?

We are experienced in every cloud solution, depending on customer needs:



Public Cloud

Modern stack

+ 20 successful deployments

Best for aware customers and modern software

Fintech, ecommerce, entertainment



Hybrid Cloud

Demanding systems

+ 30 successful deployments

Best for connection between modern and legacy systems

Long-lived systems in transformation



Private Cloud

Custom solutions

+ 50 successful deployments

Best for, custom and legislation sensitive systems

Core banking systems, financial institution

Other services

Developing core parts of systems. Design and project leadership are our main activities.

Nevertheless, we know exactly how wide range of services is important to our customers. **Our team is self-sufficient** and able to provide a complete and high quality product for all our customers.



Development at first



Security tests



Process and software automation

Custom software development

We develop custom software solutions from scratch. For that purpose we use modern technology stacks compliant with trends specified by ThoughtWorks in technology radar.

We also emphasise automation and the best practices dealing with continuous integration and continuous delivery.

Since first sprints we share a stage environment where clients can check progress and increments.

Backend - Microservices, Java, SpringBoot, Node.js, Python

Frontend - Microfrontend, Angular, React.js, Vue.js

Security/penetration tests

We offer full penetration tests of any application/service you have.

Tests are made by our personnel with Certified Ethical Hacker certificates and at the end each client receives a report with all the discovered vulnerabilities and bugs with assigned weightings.

A scan of penetration tests covering the Top 10 OWASP bugs and vulnerabilities for non mobile services and OWASP Mobile Top 10 for mobile apps. The whole process consists of two phases: a main phase of tests with reports and retests after bug fixing.

Our customers receive a **security report** to be aware and confident of software quality.

End to end process automation is the key value for products. Connection between usability, simplicity and mobility can create a market advantage.

Workflow, BPMN standard, planning, dispatching, logistics and orders form the basis of automation. In our work, we have the opportunity to analyse and automate many processes e.g.

- **Onboarding process** for bank customers including video verification
- **Digital signing** of agreements
- Loan applications

On the software side we are responsible for designing and implementing **deployment automation for Banks private Data Centres**, monitoring maintaining and failure prevention processes.

Only complete and high quality products and projects are appreciated by customers and users. Knowing this quality is most important for us.

To ensure the highest quality every detail is important. The sum of these details makes up the final product.

Our attention to detail ensures the customers are satisfied and the products are appreciated by the end users.



Our Methodology

4 methodology which we are using a lot



Agile

Agile transformation is the process of transitioning an entire organization to a nimble, **reactive approach** based on agile principles. We work on this methodology on a daily basis. Thanks to our **knowledge and certification** we have transformed many teams especially in large organizations.

1



Architecture

Architects roles are to **connect two different worlds** - technical people and concepts with business. Architects are especially needed during the conceptual phase and presentations. **Being architects** for large organizations we know exactly how important and responsible this role is.

2



Scrum

Almost every team is working in scrum methodology. But as we can observe it is very rare to use this methodology in the right way. In **large organization** especially it is very hard to keep it alive. Organizations need to find the **balance between bureaucracy and agility** and scrum is a weapon for them.

3



Radars

Technology radar is our benchmark and is very helpfull when making technical decisions. We are used to preparing **technology and business roadmaps** for projects that are managed by us. Cyclic technology review is very important to keep up with the **latest standards**.

4

Automation is time

Nowadays **time is a key for successful business**. To produce and provide reliable service for end customers we should always thinking about **simplification and automation**. Without this we cannot ensure the right **quality and reliability** for our products and services.

From a technical point of view we know all the techniques responsible for automation during the production and testing of software.

But there is a much more important thing, to **automate the complete customer processes**.



Standardisation is power

During our years of experience we've learned how to scale and propagate good practices. But a much better approach is to simply follow the standards which are generally accepted.

Thanks to standarisation distribution knowlege becomes easier and faster.

Without good standarisation rules we are not able to scale our teams and solutions. We know exactly that even the best solution without good documentation cannot be successfully propagated on a large scale.

That's why we start every projects preparing rules, definitions of done, documentation and other principles which are the starting points for keeping the project consistent.



What services you can expect from us as a customer.



Running a complete IT project

We analyse. We conduct an analysis of your needs to offer you the best and most optimal solution.

We design. Before creating the system we always create a design of the solution, and on request prepare a prototype.

We implement. We carry out installation and migration of data for the indicated environment and we secure the system.

We document. We exactly know how important good documentation is. We provide modern **interactive documentation** for every project.



Launching development teams

During our working life we have met **many IT specialists** and we know exactly how important it is to match skills and people to projects.

Every day we speak with business people which allows us to **understand their business needs**. Thanks to connecting these two worlds we have developed a unique approach to joint business and technical worlds.

This allows us to build and lead many successful projects and teams.

Our work is based on the **synergy between knowledge, experience and connections**.



Consulting

To elevate our customers to the next level using our skills and experience. Our typical training sessions:

- Agile training to facilitate **Agile transformation and Agile culture**
- Architecture and DevOps training to **automate processes**

We have been asked many times to prepare high level vision for product strategy, marketing strategy and organisational structure. From many hours of presentations our experience enables us to be confident and in the position to lead the most demanding projects.



Maintaining solutions

Existing **long term projects** can be better or worse from technical point of view. Nevertheless the business is more important than technology and **business is a key factor**.

We know exactly that very often production systems are legacy and we are prepared to maintain these kind of systems and to moderate if that is the customer requirement.

We are especially appreciate to maintain solutions which has been made from scratch by us because **we are sure about the quality and reliability**.