



InnovITech at the forefront of scientific and technological research development

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Get to know our Team



Established in 2011.



Located in Budapest (HQ) and two other major university cities (site offices).



Highly qualified, academic level professionals.



The current number of our experts is 100.

General and Special Competencies



Full Stack Project Development & Consultancy

Project management, software design, development and quality assurance.

(Agile&Scrum, UML, Java, .NET, Microservices, Angular, React, Android, iOS, Python, DWH, BI)

Special Capabilities

Developing extremely high loaded systems
Focusing on high quality software architecture
Machine Learning, Bioinformatics, Big Data



Research and Development

Cooperation with major research institutes and universities in the region.

Business Target Areas

1

Healthcare

2

Fintech

3

Public Administration

4

Manufacturing and Logistics



Takarékbank

- Notification management system
- DWH implementation in Oracle
- Commission data mart
- Mobile banking



OTP Mobil

- Simple mobile applications
- Simple.hu
- DWH based on Microsoft Azure, Power BI



Allianz Insurance

- Commission management
- HOBOpus Core, DWH, BI, Big Data, CCM, Oracle, MS, Cloudera



Hungarian National Bank

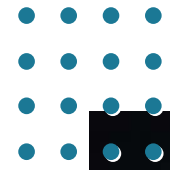
- DWH implementation - MS SQL Server, MSAS, Power BI



Magnet Bank

- IFF - Factoring, general ledger

OTP Mobil Simple.hu, Simple app, SimplePay, DWH



1

- **simple.hu**
 - Functions: Building of simple.hu webportal, development of ticketing and highway e-vignette simple functions, integration of content management solutions
- Technologies: Java, Angular, OpenCMS, PostgreSQL, WildFly, Jax-RS, CDI(Weld)



2

- **Simple Applications**
 - Simple Android and iOS application development and support.
- Technologies: Kotlin, Objective-C



3

- **SimplePay:**
 - Developing of SimplePay online payment services.
- Technologies: Java Spring, PostgreSQL



4

- **DWH**
 - Introducing Data Warehouse related to 4 main source systems, developing data marts. Introducing Microsoft PowerBI Analyzer BI System.
- Technologies: MS SQL, SSIS, PowerBI



Takarék Bank

Notification system, DWH, Mobile Bank:

1

- **Notification management system**

- Suitable for handling of extreme large numbers of notifications between business banking systems and MS/notification, mail gateways.
- Technologies: Microservice based architecture by OpenShift containerization, Java, Angular, Oracle, Thorntail



2

- **DWH developments**

- Credit card data mart, controlling developments.
- Technologies: PL/SQL, Oracle data warehouse tools



3

- **Developing of TAKARÉK MobilBank application**

- Simple and user-friendly tracking of account and card traffic)
- Technologies: Kotlin, AndroidX libraries, Gradle, Kotlin coroutines, Kotlin extensions



Allianz developments:



1

Core system development

- MOTOR products, Finance, Background processes



2

Data Warehouse

- Metadata driven ETL (custom), 10+ data marts



3

BI

- MS SQL Server Enterprise, MS SSRS, MS SSIS, MS PowerBI, REX – Custom, APEX based BI



4

Big Data

- Lead management



5

CCM, DM

- SmartCOMM CCM
Custom Document Management application



FINTECH developments specialites



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1

Centralized notification management for SMS, notification, e-mail specific message types



2

Mobile Bank development for Android and iOS platforms: Account and card traffic handling



3

Developing web portals for banking extending services



4

DWH&BI developments based on Microsoft and Oracle platforms



5

InfoBank&InfoBroker - Startup innovation service, core-banking system frame with web application-based user interfaces.



FINTECH - DWH&BI developments:



1

OTP Mobil:

- Microsoft Azure platform, Power BI



2

Takarékbank:

- Oracle, ODI, Enterprise Architect ETL, IFSR, Commission data mart



3

Hungarian State Treasury:

- Cloudera Big Data Cluster, MS technologies, Power BI



4

Allianz:

- HOBOpus Core, DWH, BI, Big Data BI, CCM, Oracle, MS, Cloudera



5

Hungarian National Bank:

- MS SQL Server, MSAS, Power BI



Technological Competencies

SOFTWARE DEVELOPMENTS

Programming languages and extending technologies:

- **Backend:** Java - EE, Spring, JPA, JAX-RS, Swagger; .NET
- **Frontend:** Angular, React
- **Mobil applications:** Android, iOS, cross-platforms
- **Architecture and devops:** Microservices, WildFly Swarm, Docker, Docker compose, Docker build, Kubernetes, OpenShift
- **System integration:** Maven, Jenkins, Gitlab CI/CD
- **Databases:** Oracle, MySQL, PostgreSQL, MS SQL, MongoDB, Cloud SQL

MACHINE LEARNING

- **Tasks:** Analysing relevant publications, large scale data handling and augmentation, building-configuration-learning-evaluation of neural nets
- **Technologies:** Python, PyTorch, Yolo, Tensorflow, numpy, Pandas, Jupyter-Lab

DWH AND BIGDATA

- **Cloud, MS Azure:** Synapse Analytics, Data Lake, Analysis Services, Power BI
- **On prem:** SQL Server, Power BI, Integration Services, Analysis Services, Oracle, SAP Hana, Cloudera

QUALITY INSURANCE

- **Source code analysis:** FindBugs, Checkstyle, PMD, Eclipse metrics plugin, „C&K” metrics, Sonar
- **Functional testing:** Testcase tracking by Redmine or Jira
- **Test automation:** Selenideum, TestNG, SoapUI, JMeter

SOFTWARE DESIGN

- Business analysis
- Functional and technical modelling
- UML specific representation of model artifacts

PROJECT LEADING

- Agile&Scrum
- Rational Unified Process



**Thank you for your
interest in us!**

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