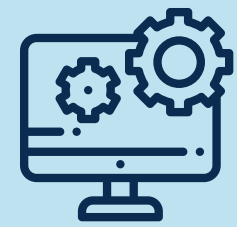




enable e.volution



Custom Software



Innovative Products



Expert Technical Consultancy



Professional IT Training

About Us

- 20 years of experience in Custom Software Development.
- Part of tarent Group, Germany.
- Pioneers in implementing Big Data projects on the Romanian market; 9 successful big data projects over the past 4 years.
- Powerful development team of over 100 people who work guided by the Agile methodology.
- More than 100 technologies used in production.
- Our portfolio includes hundreds of custom apps and products.
- Organizing classes since 2005, we set up a new business division in 2016, as a result of growing demand: **eSolutions Academy**.



They Trusted Us Over the Years

AI/ML
BIG DATA
CLOUD
IOT
FIRMWARE
WEB DEVELOPMENT



Technologies & Expertise



Programming Languages

- Java
- Scala
- Kotlin
- Python
- C++

Frameworks

- Spring*
- Angular
- ReactJS
- Bootstrap
- Flask
- Akka

Databases / Storage

- Cassandra
- BigQuery
- Hive
- MongoDB
- Solr
- Elasticsearch
- OracleDB
- PostgreSQL
- Redis
- HDFS
- GCS
- Amazon S3
- GlusterFS

Expertise

- AI / ML
- Big Data
- Cloud
- IoT
- Firmware
- Web Development
- Mobile Development

Processing & Pipelines

- Apache Spark
- Kafka / Kafka Streams
- Cloud Pub/Sub
- MQTT
- Airflow
- Ozie
- Apache NiFi
- Sqoop

Infrastructure

- Kubernetes
- Docker
- Terraform
- Terragrunt
- Ansible
- Puppet
- Xen

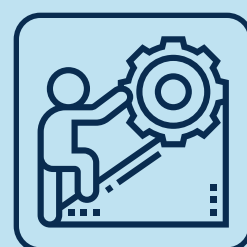
Methodologies

- Microservices
- CI / CD
- TDD
- Agile Scrum

We Speak Big Data



Implementation Example: Big Data in Public Sector [ANPIS]



CHALLENGE

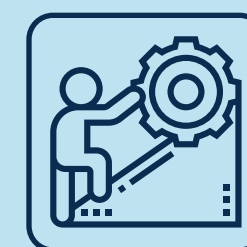
High-velocity data processed in a very short timeframe.



PROJECT METRICS

- 1 million persons registered for allowance.
- Dedicated Rule Engine managing multiple rules of eligibility and allowance types.
- Dramatically reduced processing time: under 20 minutes (from days up to weeks).

Implementation Example: Big Data in Retail Sector [Carrefour]



CHALLENGE

Large volumes of data to be ingested | stored | processed in short time.



PROJECT METRICS

- +350 stores.
- 80K - 120K products/store.
- 100 containers on multiple servers.
- Millions of events per minute.



IoT Projects

Red Sea IoT Platform

ReefLED™ - Smart Reef Lighting System and ReefWave® - Smart Reef Pumps System are part of Red Sea's suite of integrated, smart devices that can be operated online, through the ReefBeat® app. ReefBeat® is an Internet of Things platform, based on a microservices architecture deployed in a highly available cluster in Google Cloud, offering secure ecosystem for users to access and control their aquariums and their devices.

Smart Store Monitoring System

Intelligent system that supports retailers in their journey to IoT adoption. The sensors allow store managers to monitor customer satisfaction, provide supply chain insights, monitor food safety, track assets, etc. The collected data from sensors open new opportunities and move business ahead if it is analyzed and used strategically.



IoT Projects

Keg Tracker

Tracking & monitoring solutions for refrigerators & kegs, that track and transmit equipment position to reduce RPM (return of packaging materials), set rules for RPM dates, automate business processes based on RPM dates, monitor equipment health to reduce wear and tear.

Big Data Processing for IoT

We interpret the Data Lake generated by the IoT infrastructure with customizable data interpreters (lambda) and allow extendibility and customization of the data flow to generate new behavioral models, using scalable cloud infrastructure and self-generated microservices.



Enterprise Retail Solutions

A single-point software suite driven by AI/ML algorithms, that solve major retail challenges, such as: price automation, sales predictions and recommendations, competition analysis.



An automated tool that calculates millions of prices daily, in order to recommend optimal prices, depending on various parameters and influencing factors.

What for:

- Recommend the best prices depending on multiple attributes of the product and competition prices.
- Simulate various pricing scenarios and estimating the impact of price changes.
- Analyze and report data to facilitate the decision-making process.



Enterprise Retail Solutions

copio

A tool for competitive analysis and price monitoring, built with high-performance matching algorithms.

What for:

- Identify the market positioning for the products and services offered, compared to the main competitors.
- Observe market positioning changes, as a result of price policies shifting practiced by the competition.
- Collect a very large volume of prices, in order to analyse them, compared to own products.



Enterprise Retail Solutions



Accurately forecasts demand for large numbers of items, based on sales history and various attributes, such as: price, promotion types, stocks, together with external factors like special events, bank holidays, weekends, etc.

What for:

- Accurate demand forecasts for hundreds of thousands items.
- Identify causal factors such as price and economic data to model their impact on demand.
- Quantify promotions impact on future demand.
- Capture trend and seasonality.



Enterprise Retail Solutions

gideon

An accurate recommendation system powered by ML and AI, generating smart recommendations to boost customers' satisfaction by helping them discover products based on their experiences, behaviours, preferences, and interests.

What for:

- Improve user experience.
- Increase conversion rate.
- Boost customer retention.



Digital Office Products

roomio

roomio is a web application that displays meeting information using digital signage solutions and guest management systems.

A complete experience in one app: visualization of availability; equipment and other details; easy booking, integrating your calendar; digital signage at the rooms' entrance, displaying current status and next meetings.

TVio

High impact digital signage app with simple content management. **TVio** is an efficient solution for managing media content in different locations and on multiple displays.

Examples of content that can be displayed: photos, videos, custom presentations, URL's with live feed.



Digital Office Products

Digital Checklist

Web application for creating customizable checklists, allowing evaluation of all locations/ subsidiaries within one platform, analysing different aspects, such as: visual elements, cleanliness, displays and signage, personnel, work processes etc.

Skill Matrix

Self-assessment application, including different employees abilities and skills, evaluated according to the following criteria:

- Competence.
- Experience.
- Proactivity.

The process can be followed by a review stage with the direct manager, for calibration.



Digital Office Products

Contract Management Software

A unified solution for managing all your clients' contracts easily and efficiently, all in one place.

Get in control of your collaborations from a legal stand point: never miss a contract expiry date, lose annexes or skip an invoice.

Detailed reports offer insights about acquisitions, resource allocations and overall legal statistics for your business.

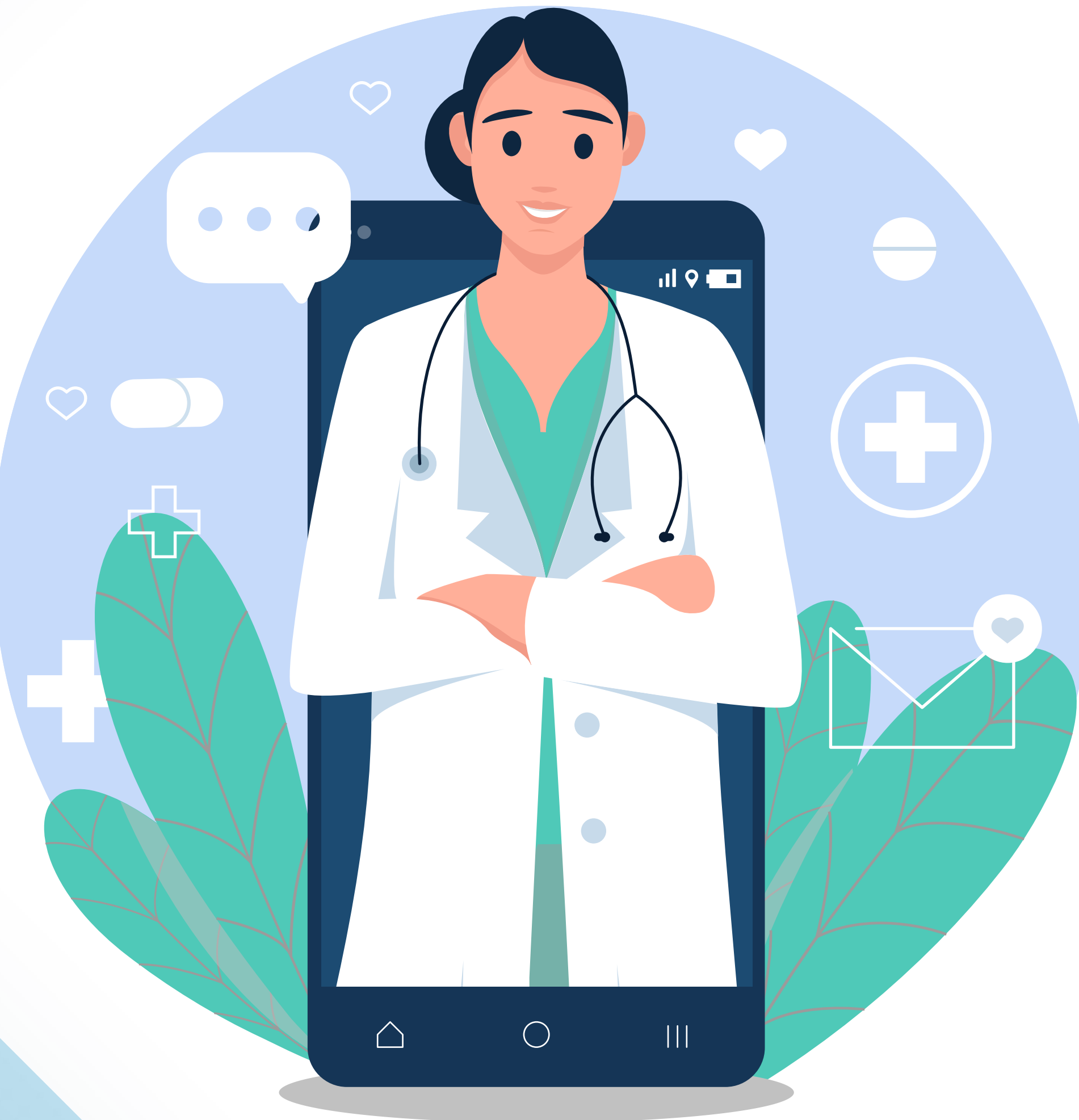


Telemedicine Solutions

Multimed

Multimed is an innovative medical system that crunches distances between medical specialists and patients, developed by eSolutions for EvoMed - medtech company set out to change the paradigm in healthcare.

Based on a performant telemedicine platform, Multimed allows conducting and interpreting medical investigations, from the patient's home, by a multidisciplinary team of specialists, using medical mobile units and a dedicated application, which runs on any mobile device. This way, doctors can view, interpret and discuss the results of investigations and medical tests and establish consensus diagnostic and appropriate treatment in real-time.



Telemedicine Solutions

Multimed

High-performance telemedicine solution, representing a very useful tool for expanding the reach of classic medical providers and for dramatically increasing the access to healthcare services for people in areas where virtually no medical infrastructure is present, providing them instant access to highly specialized medical doctors, on a remote basis.

The project was awarded at the International Exhibition of Inventions Geneva, in 2015. The platform allows important collateral developments, such as:

- the first private integrated telemedicine system in Romania, providing triage, monitoring, and support to people affected by COVID-19 (9sos) used by DSP Brasov.
- intrahospital telemedicine system for inpatient monitoring.



eSolutions Academy

+15 YEARS OF EXPERIENCE

+20 INSTRUCTORS

+50 TECHNOLOGIES

+250 DELIVERED COURSES

+1000 COURSE DAYS

+3000 STUDENTS

We have been organizing classes since 2015 and, as a result of growing demand, in 2016 we set up eSolutions Academy, offering a wide-range of IT classes, carefully designed to meet the most demanding needs. With a team of 20 trainers, professionals with an impressive practical experience, we always live up to industry challenges and provide our partners with the best-fit solutions for their teams.

They Trusted Us Over the Years

Carrefour 

METRO
SYSTEMS

UniCredit

EMAG

ING 

stefanini


vodafone

Atos

alvarion
Your Open WiMAX Choice

SYSTEMATIC

PHI
PARTNERS

CERAGON

THALES

1&1

orange™


UBISOFT®

RAD

 rompetrol

nine
TECH


TEMENOS



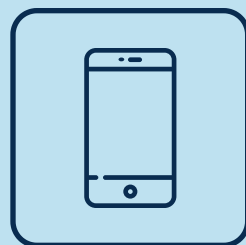
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