

Transformation and infrastructure optimization for a treasury management provider

About

WaveAccess is a results focused software development company that provides high quality software outsourcing services to hundreds of emerging and established companies globally. We use our technical expertise to increase business efficiencies, optimize slow or unreliable systems, recover projects that have gone off track and bring ambitious ideas to life.

22

years of delivering
successful outcomes
for customers

800+

talented and passionate
professionals

8

R&D centers
and regional
offices

17+

industry verticals
from banking
to healthcare

500+

successful projects
delivered and counting

96%

customer
satisfaction index

Awards and Recognitions

Microsoft
Partner


2017 Partner of the year
Business Analytics Award

Microsoft
Partner


2018 Partner of the year
Artificial Intelligence
Award

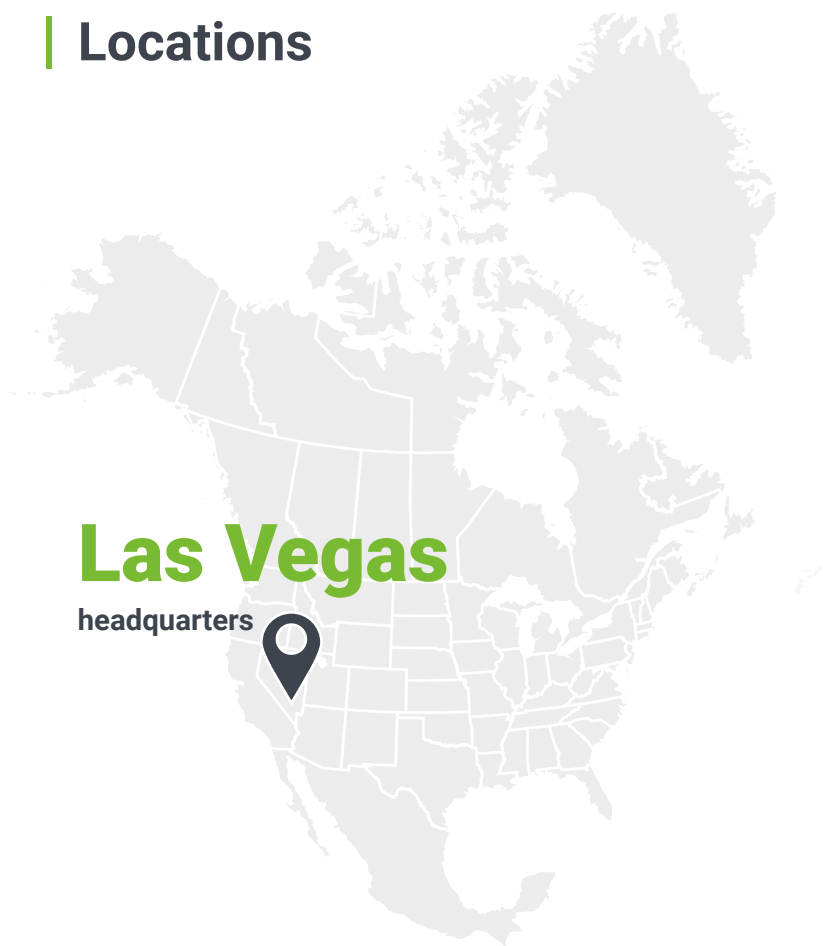
Microsoft
Partner


2019 Partner of the year
Media & Communications
Award



SCI-TECH AWARDS
(ACADEMY OF MOTION PICTURE
ARTS AND SCIENCES)

| Locations



USA
sales offices



Denmark
sales offices



Eastern Europe
sales offices



Germany
sales offices

| Core Competencies



Implementation of highly loaded
and highly scalable systems



Workflow and business process
automation



Development of Real Time
Monitoring Systems



Microsoft Dynamics CRM development,
customization and implementation



Blockchain implementation



Web and Mobile applications
development



Building ETL and BI Systems



Project recovery



Building AI and Machine
Learning based systems



System Integration and
optimization



Data import and migration



IoT project development

Project Overview

50+

team size

250+

number of users

18

duration in months

| Business Challenge

- Testing of products updates takes too long.
- Unreasonable infrastructure expenses:
 - Existing Virtual Machines were rarely used
 - Constant demand for free space on the SAN storage causing expensive upgrades.
- Transaction confirmation service was implemented ignoring potential security breaches.

| Solution

- Continuous Integration (CI) practices were implemented which allowed faster assembly process and automated the testing and deployment of product updates.
- Continuous Delivery (CD) practices were implemented, which allowed to:
 - Automate updating process for each client, based on their customizations;
 - Reduce the response time to a customer's requests;
 - Accelerate the process of product development and delivery;
 - Reduce the number of code bugs.
- The infrastructure was migrated and optimized to cloud solutions utilizing AWS:
 - The introduction of IaC (Infrastructure as Code), TeamCity, AWS CloudFormation, and Powershell DSC has reduced overhead costs and easily scaled resources;
 - Many VMs associated with the development are now created on demand and deleted after the tasks are completed.
- All data processing services have been transferred into the protected circuit (isolated from external access) prevent subsyst.
- The transaction confirmation service has been refined to provide a high availability scheme.

| The Result

A prototype of a secure data storage system has been developed to ensure that all formalities are settled automatically and all parties involved in the treatment process have access to the information they need, effectively minimizing the wait time for patients. The solution has potential for use in healthcare insurance and other industries that use personal data and require quick decision making.

| Technologies





If you have a project for us,
please get in touch

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