Custom Software Development Company

www.hqsoftwarelab.com
COMPANY OVERVIEW

Being an international software company, HQSoftware leverages its expertise in PHP, .NET, Java, Node.js to deliver out-of-the-box solutions.

80+ EXPERTS

450+ SUCCESSFULLY DELIVERED PROJECTS

15+ YEARS IN BUSINESS

80% LOYAL CLIENTS
Headquartered in Tallinn, Estonia, HQSoftware delivers its services to customers worldwide.

European and US customers can contact our development center in Minsk (Belarus) or front office in New York (USA).
Internet of Things
Simplifying life with an array of connected smart “things” in:
- Industrial IoT
- Automotive IoT
- Healthcare IoT
- Smart City
- Connected Buildings

E-learning
Cross-platform solutions for businesses, educational institutions, and governments

Finance and Banking
Ensuring security and transparency

Augmented Reality and Virtual Reality
Enhancing real life environment or situations

Video on demand and IP video streaming
Bringing conventional video experience to a smart level
**Technology consulting and prototyping**
Got questions? We deliver answers!

**Full-cycle software development**
We build robust solutions for desktop, web, and mobile

**Dedicated teams**
Experts to extend your in-house team onsite or remotely

**Software re-engineering**
Enhancing performance of legacy systems or enabling migration to a new stack

**Maintenance, customization and enhancement**
Once your solution is ready to rock the world, we stay with you to make sure it really does
### TECHNOLOGY STACK

#### Back-end

<table>
<thead>
<tr>
<th>Node.js</th>
<th>.NET</th>
<th>Python</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHP</td>
<td>Java</td>
<td></td>
</tr>
</tbody>
</table>

#### Front-end

<table>
<thead>
<tr>
<th>JavaScript</th>
<th>React</th>
<th>Angular 2-5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Knockout</td>
<td>Bootstrap</td>
<td></td>
</tr>
<tr>
<td>Vue</td>
<td></td>
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</tbody>
</table>

#### Databases

<table>
<thead>
<tr>
<th>MySQL</th>
<th>CouchDB</th>
<th>PostgreSQL</th>
<th>PouchDB</th>
<th>MS SQL Server</th>
</tr>
</thead>
<tbody>
<tr>
<td>MariaDB</td>
<td>NoSQL</td>
<td>MongoDB</td>
<td>Oracle</td>
<td></td>
</tr>
</tbody>
</table>

#### Mobile

<table>
<thead>
<tr>
<th>React Native</th>
<th>Android</th>
<th>iOS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Xamarin</td>
<td>Java</td>
<td>Objective-C</td>
</tr>
<tr>
<td>Apache Cordova</td>
<td>C++</td>
<td>Swift</td>
</tr>
<tr>
<td>Ionic</td>
<td>Meteor</td>
<td>Windows Phone</td>
</tr>
<tr>
<td>Sencha Touch</td>
<td>C#</td>
<td>BlackBerry</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Qt</td>
</tr>
</tbody>
</table>
TECHNOLOGY STACK: MOBILE

- **Native**
  - Android
  - Java/C++
  - iOS
  - Objective-C
  - Swift
  - Windows Phone
  - C#

- **Cross-platform development**
  - Xamarin
  - React Native
  - Qt

- **Mobile Web**
  - HTML5/CSS3
  - jQuery Mobile
  - AngularJS
  - Polymer
  - REST
  - SOA
  - WebSocket

- **Hybrid**
  - Apache Cordova (PhoneGap)
  - Ionic
  - Meteor
  - Mobile Angular UI
  - Sencha Touch
TECHNOLOGY STACK: INTERNET OF THINGS

Development frameworks, SDKs, Platforms

- Node.js
- IoT.js
- Device.js
- Java and Eclipse IoT (Kura, SmartHome)
- AngularJS
- .NET Core
- Particle
- DeviceHive
- openHAB
- Kaa
- Amazon Web Services IoT
- Microsoft Azure IoT
- Google Cloud Platform
- ThingWorx IoT Platform
- Universal of Things Platform

Communication protocols

- Z-Wave
- ZigBee
- Sigfox
- LoRaWAN
- iBeacon
- Eddystone
- Wi-Fi
- Serial
- IPv6
- Cellular 2/3/4/5G
- Bluetooth
- BLE
- CoAP
- MQTT
- EIB/KNX
- XMPP
- AMQP

Hardware

- Raspberry PI
- Arduino
- NodeMCU
- Beacons
- KNX
- Crestron
- Industrial gateways (Intel, Cisco, Eurotech)
- Beckhoff IoT controllers
- Microcontrollers (ESP32, ESP8266)
- Nordic Semiconductor hardware
- Consumer smart home hubs (Samsung, Philips, D-Link)

Enabled devices

- Sensors: temperature, humidity, light, motion, carbon dioxide, industrial sensors, etc.
- Smart Home: light and motion sensors, locks, alarm, electric curtains, air conditioners, heaters, light switches, sockets, etc.
- Medical devices: glucometers, radiometers/dosimeters, moisture meters, nitrate meters, heart rate monitors, etc.
- IR gateways: TVs, SAT receivers, etc.
- Other: cameras, Wi-Fi smart light bulbs, actuators (Servo), etc.
### Development frameworks / SDK

<table>
<thead>
<tr>
<th>Framework</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td>Unity</td>
<td>Catchoom SDK</td>
</tr>
<tr>
<td>Vuforia SDK</td>
<td>Kudan SDK</td>
</tr>
<tr>
<td>Oculus SDK</td>
<td>ARKit</td>
</tr>
<tr>
<td>GearVRf SDK</td>
<td>ARCore</td>
</tr>
<tr>
<td>Wikitude SDK</td>
<td></td>
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</tbody>
</table>

### Platforms

<table>
<thead>
<tr>
<th>Platform</th>
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<tbody>
<tr>
<td>Android</td>
<td>Windows</td>
</tr>
<tr>
<td>iOS</td>
<td>macOS</td>
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</table>

### Glasses, headsets, and accessories

<table>
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<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Samsung Gear VR</td>
<td>HTC Vive</td>
</tr>
<tr>
<td>Epson Moverio</td>
<td>PlayStation VR</td>
</tr>
<tr>
<td>Oculus Rift</td>
<td>Microsoft HoloLens</td>
</tr>
<tr>
<td>Google Cardboard / Daydream</td>
<td>Treadmills and Haptic Gloves</td>
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</tbody>
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FLEXIBLE ENGAGEMENT MODELS

**FIXED PRICE**
- Fixed scope
- Fixed deadlines
- Fixed budget
- Little supervision on your side

**TIME AND MATERIAL**
- Charge is issued at an hourly rate. (All extra expenses are negotiated beforehand)
- Monthly bills
- The project is cut into small iterations to ensure better control over workflow

**OFFSHORE DEVELOPMENT CENTER**
Either onsite or remotely, dedicated developers are available on a short-/long-term basis and work exceptionally on your project under predefined management.
**Offshore model**

The project is carried out at HQSoftware’s development center from a concept to fully functional solution.

**Onsite model**

The project is developed onsite. Shortlisted candidates travel for the required period.

**Hybrid model**

Part of the team is located at your site to address critical issues and interacts directly with the offshore development team.
Sergei Vardomatski
CEO

Alexandra Golik
Head of Sales
Alexandra has experience living and working in the US which helps her understand international business approaches better. She has been engaged in Sales for 10+ years.

Vasil Tarasevich
CTO
Vasil holds Master Degree in applied mathematics and computer science. He started as a Java developer and Team Lead. Before joining HQSoftware as CTO in 2013, Vasil has worked as Head of Development for HTC.