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% LOYAL CLIENTS
- 80+ EXPERTS
- 450+ SUCCESSFULLY DELIVERED PROJECTS
- 15+ YEARS IN BUSINESS
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).
<table>
<thead>
<tr>
<th>Domain</th>
<th>Description</th>
</tr>
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<tbody>
<tr>
<td><strong>Internet of Things</strong></td>
<td>Simplifying life with an array of connected smart “things” in:</td>
</tr>
<tr>
<td></td>
<td>- Industrial IoT</td>
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<tr>
<td></td>
<td>- Automotive IoT</td>
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<td></td>
<td>- Healthcare IoT</td>
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<td></td>
<td>- Smart City</td>
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<td></td>
<td>- Connected Buildings</td>
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<tr>
<td><strong>E-learning</strong></td>
<td>Cross-platform solutions for businesses, educational institutions, and governments</td>
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<tr>
<td><strong>Finance and Banking</strong></td>
<td>Ensuring security and transparency</td>
</tr>
<tr>
<td><strong>Augmented Reality and Virtual Reality</strong></td>
<td>Enhancing real life environment or situations</td>
</tr>
<tr>
<td><strong>Video on demand and IP video streaming</strong></td>
<td>Bringing conventional video experience to a smart level</td>
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</table>
CORE SERVICES

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
- Node.js
- .NET
- Python
- PHP
- Java

### Front-end
- JavaScript
- Knockout
- React
- Bootstrap
- Angular 2-5
- Vue

### Databases
- MySQL
- PostgreSQL
- MariaDB
- GreenplumDB
- MongoDB
- CouchDB
- PouchDB
- MS SQL Server
- NoSQL
- Oracle

### Mobile
- React Native
- Xamarin
- Apache Cordova
- Ionic
- Meteor
- Sencha Touch
- Android
- Java
- C++
- iOS
- Objective-C
- Swift
- Windows Phone
- C#
- BlackBerry
- Qt
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, SDK, Platforms**
- Node.js
- IoT.js
- Device.js
- Java and Eclipse IoT (Kura, SmartHome)
- Particle
- DeviceHive
- openHAB
- Kaa

**Communication protocols**
- Wi-Fi
- iBeacon
- Serial
- IPv6
- cellular 2/3/4G
- Bluetooth
- CoAP
- MQTT
- Z-Wave
- ZigBee
- EIB/KNX
- XMPP
- AMQP
- Eddystone
- Sigfox
- LoRaWAN

**Hardware**
- Raspberry PI
- Arduino
- NodeMCU
- Beacons
- Crestron
- consumer smart home hubs (Samsung, Philips, D-Link, etc.)
- industrial gateways (Intel, Cisco and Eurotech)
- ESP32 (by Espressif)

**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.
### TECHNOLOGY STACK: AUGMENTED AND VIRTUAL REALITY

#### Development frameworks / SDK

<table>
<thead>
<tr>
<th>Unity</th>
<th>Catchoom SDK</th>
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<tbody>
<tr>
<td>Vuforia SDK</td>
<td>iOS/Android SDK</td>
</tr>
<tr>
<td>Oculus SDK</td>
<td>ARKit</td>
</tr>
<tr>
<td>GearVR SDK</td>
<td>ARCore</td>
</tr>
</tbody>
</table>

#### Platforms

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

#### Glasses, headsets, and accessories

<table>
<thead>
<tr>
<th>Samsung Gear VR</th>
<th>HTC Vive</th>
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<tbody>
<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>
</tr>
</tbody>
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### Types of Virtual Reality:

- Immersive VR
- Desktop VR
- Telepresence

### Types of Augmented Reality:

- Marker-based
- Markerless
- Projection-based
- Superimposition-based

### Mixed Reality
FEATURED CUSTOMERS

Ford
World Health Organization
Honda
BBC
FASTMATCH
ŠKODA
HTC
UNDP
REALITY BLU
SEGA
Bell
HORIBA
Canon
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

Darya Orlova
Head of Sales
Darya has a business-owner experience under her belt. She has been engaged in Sales for 7+ years, empowering customers from different industry domains.

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.
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