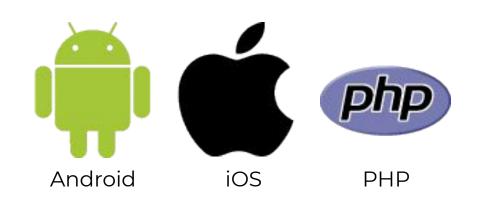# Cyberarena

An information system for a cybersecurity competition

Challenge

Our customer is a software integrator for an international cybersecurity championship. An information system was required for a comprehensive presentation of the championship and automation of certain organisational issues. Apart from its media functions, it has to simplify participant registration, ensure a high level of protection against hackers, and have easy-to-use tools for championship administration. There was no system on the market which would meet these requirements, so the customer came to us for help.
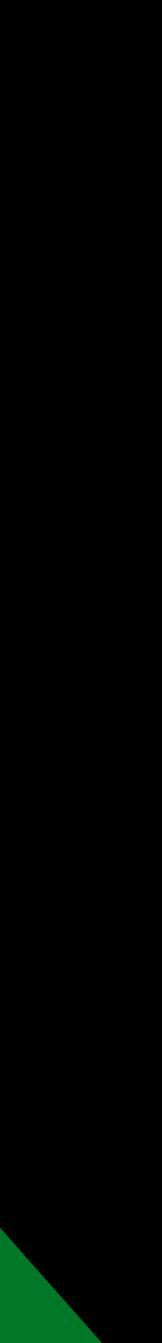
Android   iOS   PHP

Duration
6 months

Team
Project manager — 1
Analyst — 3
QA engineer — 2
Front-end developer — 2

Industry
Information security

Back-end developer — 2
Mobile developer — 2

Solution

Our analysts studied the product requirements thoroughly, and a decision was made to develop the system on the basis of a centralised internet portal. Information security was a major challenge for us. When an event is involved in which hundreds of hackers from multiple countries participate, hacking protection is of the highest priority. A special-purpose engine not familiar to the participants was taken as a basis for the portal, thus making the system core harder to hack. We also developed mobile clients for iOS and Android with features identical to those of the portal. Due to the well-designed architecture, additional features will be easy to introduce to the system quickly after it is put into operation. A team of 10 had been working on the project for half a year.

Result

The information system we developed was given the name of Cyberarena. The portal and mobile apps can be used to provide competition guests with up-to-date information, broadcast real time video and publish competition results. The processes of participant registration, printing named QR badges and authentication require minimum intervention from the administration. The security aspects of the portal were designed thoroughly: data are securely encrypted, cheating is impossible, and the system functions within a private network in order to prevent external cyberattacks. The customer got a quality product which meets today's security requirements and allows the guests and participants of the championship to feel as comfortable as possible.

International information security conference

Командное соревнование курсантов военных училищ

12 декабря - 13 декабря

ГЛАВНАЯ   КИБЕРАРЕНА20   АРХИВ СОРЕВНОВАНИЙ   КОНТАКТЫ