

iOS Development for Cyber Security Solution

Project summary

Mobile app development | **Confidential**

Project summary:

The client is AXON Ghost Sentinel, a startup company that develops products to protect mobile networks. AXON Ghost Sentinel had developed a server security system, but needed to install sensors into their iOS application that would connect to their analytics platform. Movel was chosen to help them develop the iOS application. Together, they finished the first version of the app and are currently in a testing stage.

Feedback summary:

AXON Ghost Sentinel is very happy with the professionalism and skill that Movel brought to the project. Movel completed the project efficiently and provided AXON with many different solutions and options for how to execute the project. AXON is very impressed with Movel's knowledge of the iOS environment and is willing to recommend Movel to others.

"They used their extensive skills and capabilities to propose software architecture for the app that meets our requirements. Movel gave us several options, outlined the pros and cons on all of them and helped us decide which one they should pursue."

*— Chief Scientist, AXON Ghost Sentinel
(Cyber Security Solution)*

Details:

BACKGROUND

Please describe your organization.

We are AXON Ghost Sentinel. We are a startup company that applies swarm intelligence as a form of artificial intelligence to server security problems. We develop products that protect mobile networks on the Internet. We are headquartered in Harrisonburg, Virginia, but our staff is distributed nationwide.

Interview

Chief Scientist at AXON Ghost Sentinel Inc.

2-10 employees

Harrisonburg, VA

Quality: ★★★★★
 Schedule: ★★★★★
 Cost: ★★★★★
 Overall rating: ★★★★★
 Willing to refer: ★★★★★

What is your position?

I am the chief scientist.

OPPORTUNITY/CHALLENGE**What business challenge were you trying to address with Movel?**

We have developed a first alpha-stage prototype for a server security system that takes data from mobile endpoints and analyzes that data in a cloud-based architecture for abnormal behavior. For the system to be deployed, we needed to install a sensor on the devices that we want to connect to the analytics platform.

SOLUTION**Please describe the scope of their involvement in detail.**

Movel was tasked to develop an iOS app that acts as the sensor and provides some front-end information to the user to give visibility to what this app is doing in the background. This makes sure that we're not hiding anything from the user. That was the task. We needed to find an existing communications protocol that we used for our other endpoints. We've developed an Android app ourselves and used it as an example for how the iOS might look like. Then we asked Movel to figure out the best way to do it on iOS.

How did you come to work with Movel?

A colleague, who is no longer with us, established the relationship, so I don't know the exact details. I believe he used his contacts in the D.C. area, in particular through the Center for Innovative Technology and the MACH37 Cyber Accelerator. They have an extensive network to find companies with those capabilities. He specified the requirements and asked for proposals. Then after interviewing a few candidates, he selected Movel.

Could you provide a sense of the size of this initiative in financial terms?

It has been a five-figure number.

What is the status of this engagement?

I believe we started working with them late last year. They have completed the deliverables for the first version of the iOS app. We are currently testing it, and we're planning for the next round of development and the strategy for beta testing the entire system. At the moment, they don't have any tasks, but they are holding the code for us and are ready for the next round of tasks, once we define them.

RESULTS & FEEDBACK**Could you share any statistics, metrics, or other feedback from this engagement?**

We provided the specifications for the communications protocol and an example of what the app looks like on Android. Then, we gave them the task to figure out how best to do it on iOS. We are not iOS experts. We managed to do the Android app because it is straightforward, but the iOS environment was too tough a nut for us to crack.

They used their extensive skills and capabilities to propose software architecture for the app that meets our requirements. That was done very professionally. Movel gave us several options, outlined the pros and cons on all of them and helped us decide which one they should pursue. Then, they began implementation, kept us in the loop on their progress and gave us demo versions to try out once it was available. We were part of the testing setup and could use it on selected devices on our end. Everything was done professionally and efficiently.

What distinguishes Movel from other providers?

I was very impressed with Movel's deep knowledge of how the iOS environment operates and the various constraints of that environment. What we asked them to do is find a way for this app to run unobtrusively in the background, continue to maintain a connection to our analysis suite and collect measurements and observations from deep within the operating system. All of these are non-trivial tasks in iOS, and they had just the right skill set to make that happen.

Is there anything Movel could have improved or done differently?

No. I can't really think of anything. It was very well done, in both the planning and the execution of the project. They kept us in the loop and helped us understand the pros and cons of the various decisions. I can't really think of anything that didn't go well.

We have five additional questions. For each of these, we ask that you rate Movel on a scale of one to five, with five being the best score. How would you rate them for the quality of their service and deliverables?

Four.

How would you rate them for scheduling, as in meeting deadlines and compliance with a project timeline?

Five.

How would you rate them for cost, as in value and/or conformance with project estimates?

Five.

How would you rate your overall experience collaborating with Movel?

Five.

How likely are you to recommend Movel to a friend or colleague, out of five?

Five. Definitely.