Mobile App that Lets you Predict, Learn and Earn Bitcoin

The Swissborg Community App Case Study

CLIENT PROFILE

SwissBorg is a team of fintech experts and engineers that are creating a holistic crypto wealth management ecosystem accessible to everyone. As a pre-launch of their show-case feature, the Wealth App, SwissBorg has built the Community App, a mobile app game that allows you to predict, learn and earn Bitcoin.

PROJECT OVERVIEW

INDUSTRY
BLOCKCHAIN

CHALLENGE
DEVELOPING A FORECAST MODULE WHICH EVALUATES BIDS VERSUS THE EXCHANGE RATES

PROJECT DURATION
3 MONTHS

TECHNOLOGIES
SCALA, AKKA STREAMS, POSTGRES, DOCKER, KUBERNETES

BENEFITS

- a fun and easy to use mobile app that reached 14 000 users

BACKGROUND

Introducing innovation to old-fashioned industries requires two things - bold thinking and thorough execution. At SoftwareMill we've had an amazing opportunity to work with the founders who combined both creating SwissBorg. This Swiss company was started with a mission to reinvent the banking model and their first step is The SwissBorg Community App that lets you predict, learn and earn bitcoin.

SoftwareMill helped Swissborg with developing the backend of the mobile app but also supported the team with the transition from a small group of in-house engineers to a much larger team.

CHALLENGES

The SwissBorg Community App is a simulation game for predicting the daily price fluctuations in Bitcoin where users compete to reach the top ranks. It was conceived as a pre-launch campaign for the showcase upcoming product the SwissBorg Wealth App.

The goal was to develop the backend of the app, mainly in Scala and Akka. What was challenging was the fact that we needed to come up with a mechanism that would evaluate bids versus the exchange rates and also count each player's score.

At the same time, the app required simultaneous work on all its parts being built from scratch: from its mobile client, through an advanced notification system, game engine, up to identity server and dedicated libraries.

SOLUTION

SoftwareMill prepared two major elements of the app backend:
Forecast module which evaluates bids versus the exchange rates every 24 hours,
Calculation module that counts each player's score

Additionally, an advanced notifications module was created that sends emails, SMS and push- notifications to users notifying them about the result of their latest bids. The system uses advanced AWS integration.

Apart from programming, the team engaged in Kubernetes implementation in the project. supporting the client's team on-site with knowledge, experience to make the implementation smooth.

RESULTS

The project was delivered on time and without any major outage on production. Our contribution to the project resulted in high customer satisfaction.

The app has reached more than 14 000 (as of May 2019). It's a fun, easy to use app that lets you predict the price of Bitcoin and earn at zero cost. It's available on iOS & Android.

"SoftwareMill allowed us to fill the gaps, helping us shape the transition from a small group of in-house engineers to a much larger team. SoftwareMill provided us, not only, with skills that we didn't possess but with a refreshingly different point of view on specific problems. Their professionalism helped us create a sustainable system that fits our needs. We learned to identify and understand what is required and how to implement the process correctly with excellent test coverage.

SoftwareMill's success is because the team has a clear set of rules to follow, and employees have the skill set necessary to work remotely. Communication and collaboration were easy and fruitful assuaging all qualms about working with a remote team."

NICOLAS RÉMOND, CTO @SWISSBORG

SOFTWAREMILL

GOT AN IDEA?
WE'LL MAKE IT HAPPEN

contact@softwaremill.com
www.softwaremill.com

We are SoftwareMill, a Poland(EU)-based consulting & custom software development company, delivering services remotely, worldwide for 10 years. Being experts in Scala (Akka, Play, Spark), Java, Kotlin we specialize in blockchain, distributed, big data systems, machine learning, IoT, and data analytics.

We believe that focus on quality, self-improvement and a true engineering approach can result in systems that do their job, bring value to clients, help them scale and grow.