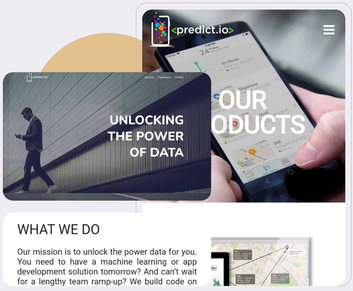
Created award winning app that helps predict vehicle parking through sensors

Arbisoft developed an award-winning parking prediction app for Predict.io, a Berlin-based startup focused on offline data management. The app accurately detects the driver's parking behavior using real-time sensor data, optimizing SDKs without being resource-intensive. As a result, Predict.io achieved its goal of launching quickly and saw an immediate boost in revenue, resulting in numerous prestigious industry awards.

Tell us about your project →



Industry
Technology

Headquarters
Berlin

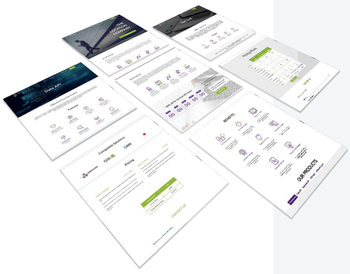
Platform
Android

"The app has generated significant revenue and received industry awards, which is attributed to Arbisoft's work. Team members are proactive, collaborative, and responsive."

Silvan Rath
CEO, Predict.io

Predict.io & Arbisoft

Founded by Berliners Silvan Rath and Jörg Sädtler, the Berlin-based startup Predict.io has been on a mission to "make sense of sensors" since 2012. Predict.io is an intelligent offline data management platform helping retail brands drive revenue by anticipating and generating customer demand. Their SDK helps app developers use smartphone sensors to provide contextual updates and make devices location-aware.



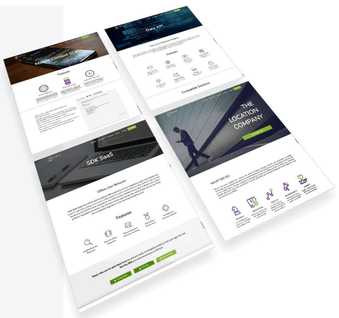
How we fit together

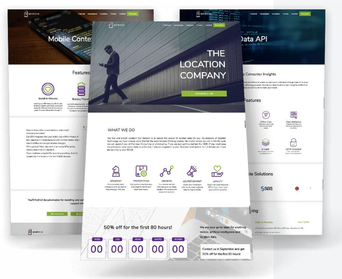
Predict.io reached out to us with the basic idea of developing an app that would accurately detect the when and where the vehicle was parked using smartphone sensors. They hired a team of Arbisoft engineers to develop a B2C app with machine algorithms that work with real-time sensor data to predict the driver's parking behavior.

Arbisoft's team was closely integrated with their team, building native apps and SDKs that were "location-aware" without being resource-intensive. Our developers provided smart algorithms that optimized the SDK while adding critical functionality such as intent labeling and Points-of-Interest selection. We also developed algorithms that could avoid getting locked in by geofences or producing false positives.

Making it matter

Arbisoft provided complete engineering services for SDK. As a result, predict.io achieved its goal to launch quickly and maintain the code over time. They have seen increased DMP & SDK sales—an immediate boost in revenue. It has also received consulting opportunities with clients such as T-Mobile, Porsche, and a major project with the European Commission. After almost five years of working with Arbisoft, predict.io has received numerous prestigious industry awards, including the Volkswagen Innovation Award and TU Automotive Startup of the Year.





Technology used

- Java 8, Spring (Core, DataJPA, Security, etc), SpringMVC, JSP, Hibernate, RabbitMQ.
- **Build/Dep:** Jenkins, Gradle
- **Deployments:** Tomcat, Nginx, HAProxy.
- **DBs:** MySQL (later on Amazon Aurora), MongoDB, DynamoDB.
- AWS (EC2, S3, CloudSearch, CloudFront, SQS, SNS, ELB, CloudWatch, RDS, etc).
- **Frontend:** HTML, CSS, Boostrap, JavaScript, jQuery, BackboneJS, MathJax, Flow Player, etc.
- **CMS:** Scala, Play Framework.
- **Mobile:** Objective C, Android (Java).
- **Automation:** RSpec, Capybara (Ruby), JMeter.