

JÄTÄ ILMAINEN ILMOITUS >

VAIHTOAUTOT

Etusivu / Vaihtoautohaku / Vaihtoautot / Vaihtoautilistaus

TAMPEREEN MERKKIAUTOLIIKKEET



BMW 2-sarja 225 xe Active ...
2017, 38000 km, 30790 €



BMW 7-sarja 740 d A xDrive...
2016, 57000 km, 79900 €

Haussasi löytyi 3551 BMW vaihtoautoa

MUOKKAA HAKUA ▾

TEE VAHTI >

BMW VAIHTOAUTOT

BMW on saksalainen autovalmistaja, joka tunnetaan urheilullisista ja ylellisistä BMW 3-sarja, jota on valimistettu vuodesta 1975 alkaen. Nykyään BMW tuottaa

Kaikki 3551

Autoliikkeet 3484

Yksityiset 67

Autot 1 - 20 / 3484

Sivu

1

2

3

4

5

6

...

17



BMW 3-sarja
Business

ESITTELY
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ArtSoft
— consult —

The Art of Software Development

Virtual marketplace
for used and new cars

Key Information



Industry:

Online Media



Project duration:

14 years



Team Size:

3-7 specialists



Technologies:

- Java, Spring, Hibernate, JPA, Wicket, Solr, OpenSearch, SQL (Postgres),
- Javascript (jQuery, Angular, React), HTML, CSS (Bootstrap, Materialize),
- AWS (SDK, CDK, RDS, S3, Cloudfront, ECS, Fargate, OpenSearch, EventBridge, SNS, SES)
- Maven, Docker



Services:

- Software design
- Software development
- Software deployment
- Maintenance

Highlights

- The app serves as a virtual marketplace for both new and used cars, catering primarily to trusted dealers, private sellers, and buyers.
- The client required the development and migration of all data to a new platform utilizing future-proof technologies and sought a development partner capable of delivering the solution within the specified timeframe.
- The primary challenge revolved around managing the evolving specifications.
- ArtSoft Consult's team introduced new functionality that significantly boosted visitor numbers and improved search engine rankings, providing our client with a competitive edge in a fiercely contested marketplace.

Product Overview

The application is a **virtual marketplace** for used and new cars. The main classes of users are trusted dealers, private sellers, and buyers. Smart features help the users to close the deal: advanced search, matching, comparison tool, price range watcher, enhancement packs for publicity, etc.

Requirements

The customer was using an online platform that was becoming technically obsolete and could not support the increasing load and new features. They needed to develop and migrate all the data to a new platform by using **future-proof technologies** and looked for a development partner that could deliver the solution on time.

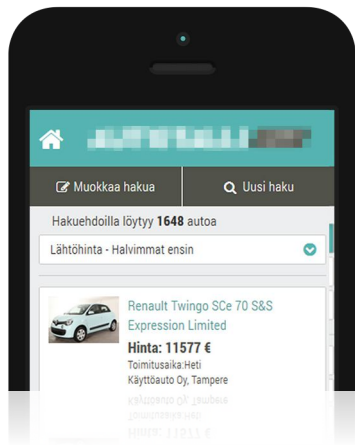
The screenshot displays a car marketplace interface with the following elements:

- Header:** "JÄTÄ ILMAINEN ILMOITUS >" (Post for free), "Viimeksi katsotut" (Recently viewed), "Suosikit 2" (Favorites 2), and "Kirjaudu sisään" (Log in).
- Search Results:** Four car listings are shown, each with a "KATSO" (View) button:
 - BMW 2-SARJA F45 ACTIVE TOURER 225XE A CHARG E...**: Price 47990 €, Year 2019, Automatic, 500 km, Hybrid.
 - BMW X3 XDRIVE20D A BUSINESS M SPORT TX5S**: Price 70487 €, Year 2019, Automatic, 1500 km, Diesel.
 - PORSCHE 928 S**: Price 100 €, Year 1985, Automatic, 204603 km, Gasoline.
 - TESLA MODEL S TESTIAUTO**: Price 1 234 567 €, Year 2014, Automatic, 0 km, Electric.
- Summary:** "HÄKUEHDOILLA LÖYTYY 35 AUTOA PALVELUN 49216 VAIHTOAUTOSTA." (35 cars found with filters, 49216 alternative cars in service). Filter options: "Kaikki myyjät" (All sellers), "Autolikkeet" (Dealerships), "Yksityiset" (Private).
- Actions:** "HAE 35 >" (Search 35) and "TEE VAHTI >" (Make deal).
- Search Refinement:** "Tyhjennä hakulomake" (Clear search form) and "Lataa tallennettu vaihti tai haku" (Load saved filter or search).
- Filters:** "MERKKI JA MALLI" (Brand and Model) section with dropdowns for "Suosituimmat" (Popular brands: Audi, BMW, Ford, Kia, Mercedes-Benz, Nissan, Opel) and "Mallit (kaikki)" (Models: 12 M, 15 M, 17 M, 20 M, 26 M, Aerostar, Anglia, B-Max). "Valitut" (Selected): Audi X, Ford X. "Poissulkeva ehto" (Exclude condition) is also present.

Challenges

The **biggest challenge** was dealing with the dynamics of the **specifications**.

With an open-minded approach using **agile methodology**, and having a mature, focused, and dedicated team we launched on time and delivered a **high-quality product**.



Provided Solutions

As part of this project, our team offered a solution based on Java technology, covering server-side development, front-end development, database design (PostgreSQL), and release installation assistance.

We relied on **artificial intelligence** which the application used to suggest car prices to sellers according to the sold car attributes.

The key pages were implemented also for mobile devices (search forms, list pages, and target pages).

The development and the transition to the new platform, with all functionality that served their business needs, was very successful and went as scheduled.

The new functionality **proposed** by ArtSoft Consult's team helped **increase the number of visitors** and grew the ranking in search engines, giving advantages to our client in a very **competitive** marketplace.

During the entire collaboration, we've made various updates and improvements, including introducing new features like leasing, electric car features, cars auctioning, an API for suggesting car price to ask for sellers, loan calculator, while phasing out older ones.

Additionally, we experienced frequent UI changes, replaced couple of times the banner system, transitioned technologies from Solr to OpenSearch, migrated to AWS, start using Docker.

In addition, we took over the infrastructure responsibilities from the customer's team, performed maintenance by upgrading/replacing libraries, integrated with new partners, SEO optimization and improved overall performance.

Let's get in touch

ArtSoft Consult is a trusted partner in the IT industry, providing tailored solutions to address your unique business challenges.

With our proven expertise our team delivers innovative solutions and development services.

Drawing from years of experience and industry insights, we deeply understand this industry and we look forward to working with your business.

For more details on our services and team, please [contact us](#).

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