

**ArtSoft**  
— consult —

The Art of Software Development

---

**Advertise in**

If you can't find tenant in 8 weeks, you will be refunded.  
Every fourth announcement is free.

[CREATE ANNOUNCEMENT >](#)

**A Real Estate Rentals  
Management Solution**

5 new listings

Saved search

test (3021 pcs) »  
Tampere



## Key Information



### Industry:

Real Estate Marketplace



### Project duration:

1.5 years



### Team Size:

7 specialists



### Technologies:

- Spring Integration, AWS Spring Integration, AWS SNS SQS
- Hibernate, Hibernate Search, Solr Cloud
- React, HTML, CSS, jQuery
- Amazon Cloud



### Services:

- Software analysis and design
- Development
- Deployment
- Testing
- Maintenance
- Agile project management

## Highlights

- The client is a leading media company operating several real-estate and car marketplaces in Northern Europe.
- Transitioned an existing property sales platform into a fully functional rental marketplace.
- Integrated **secure payment gateways** and **advanced search features**.
- Upgraded support modules for rental-specific needs, such as rental periods, availability tracking, and cost breakdowns.

## Product Overview

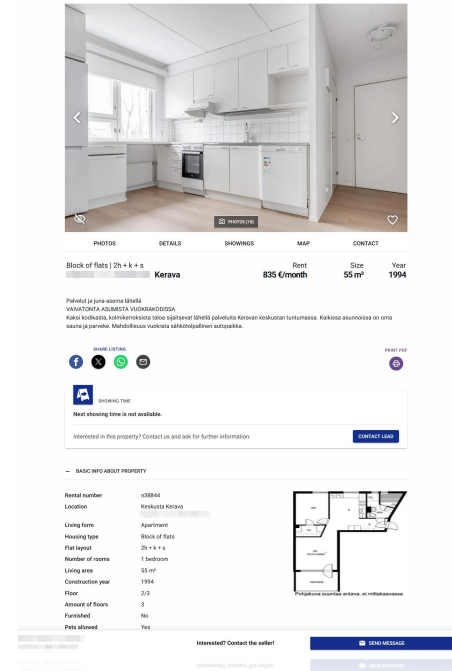
The project involved the redevelopment of an online platform for real estate rentals, expanding on the success of an existing property sales platform. The goal was to **enhance the rental experience** for both property owners and tenants by incorporating **advanced search capabilities, real-time notifications**, and seamless property listings. The solution provided a user-friendly interface, secure payment integration, and **data-driven market insights**, ensuring a smooth and efficient rental process.



## Requirements

The project required the development of a new web application based on the existing sales platform database, designed with a **modern and intuitive interface** for property searches and listings. It also needed to integrate **payment gateways for secure transactions**, implement **advanced search functionalities**, and provide **analytics and market insights** for users.

Additionally, the platform had to ensure **high availability and scalability**, while existing support modules such as search and notification systems needed to be upgraded to accommodate rental-specific needs, including rental duration, availability tracking, and cost breakdowns.



## Challenges

One of the main challenges was extending the platform to support rentals **without disrupting the ongoing sales operations.**

Data migration from the existing system to the new rental platform had to be carried out seamlessly while ensuring **compliance with industry regulations** and **maintaining data security.**

Another significant challenge was the integration of new external systems and the upgrade of existing ones to support rental functionalities, all while preserving the **stability and reliability of the platform.**

The screenshot shows a search filter interface for 'Rental apartments'. The filters are organized into several sections:

- Housing type:** Includes buttons for 'Block of flats', 'Terrace', 'Semi-detached house', 'Detached house', 'Separate house', 'Balcony access block', and 'Flat in a wooden house'.
- Rent:** Two input fields for 'min' and 'max' in '€ / month'.
- Number of rooms:** A row of buttons for 1, 2, 3, 4, 5, and 5+.
- Living area:** Two input fields for 'min' and 'max' in 'm²'.
- Condition:** Radio buttons for 'Good', 'Satisfactory', and 'Tolerable'.
- Construction year:** Two input fields for 'min' and 'max'.
- New properties:** Radio buttons for 'All announcements', 'Only new properties', and 'Exclude new properties'.
- CONTRACT INFORMATION:**
  - Agreement:** Checkboxes for 'Periodic' and 'Fixed term'.
  - Availability:** Checkboxes for 'Immediately', 'On agreement', and 'By the date chosen'.
- Right of occupancy apartments:** Radio buttons for 'All announcements'.

At the bottom, there is a summary bar showing '5 046 properties for rent', a 'CLEAR' button, and a search bar with 'SHOW LISTINGS'.

## Provided Solution

To address these challenges, the platform was enhanced to support rental functionalities while maintaining its core sales features.

A scalable and modern web application was developed, featuring an intuitive interface and improved search capabilities. Secure payment processing and real-time notifications were integrated to optimize the user experience.

Additionally, **cloud-based solutions** were implemented to ensure **high system availability and performance**, allowing the platform to **support future growth and expansion**.

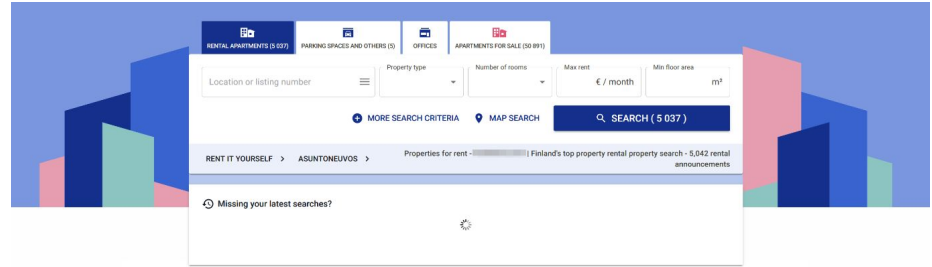
The screenshot displays a web application interface for searching rental properties. At the top, there are navigation tabs for 'RENTAL APARTMENTS' and 'PARKING SPACES, WAREHOUSES AND OTHERS'. The main heading is '5 039 pcs apartments for rent' with a sub-heading 'Search criteria: Properties for rent' and an 'EDIT SEARCH' button. On the right, there are links for 'SAVE', 'MAP', and 'SETTINGS'. Below the search bar, a 'Sort' dropdown is set to 'New and updated first'. The main content area shows a list of property cards, each with a thumbnail image, a title, location, rent, size, and year. The first card is for 'Block of flats | 2h + k + s' in Kerava, with a rent of 835 €/mo and a size of 55 m². The second card is for 'Block of flats | 1h + kt' in Espoo, with a rent of 749 €/mo and a size of 29,5 m². The third card is for 'Block of flats | 2h + kt' in Espoo, with a rent of 829 €/mo and a size of 40 m². The fourth card is for 'Block of flats | 2h + kk' in Helsinki, with a rent of 889 €/mo and a size of 50,5 m². The fifth card is for 'Block of flats | 3h + k' in Helsinki. A sidebar on the right contains a 'Save watchdog' section, a 'Calculate the rental estimate' section, and a note about rental apartments in Finland.

Title	Location	Rent	Size	Year
Block of flats   2h + k + s	Kerava	835 €/mo	55 m²	1994
Block of flats   1h + kt	Espoo	749 €/mo	29,5 m²	2020
Block of flats   2h + kt	Espoo	829 €/mo	40 m²	2015
Block of flats   2h + kk	Helsinki	889 €/mo	50,5 m²	1979
Block of flats   3h + k	Helsinki			

# “ Client Words

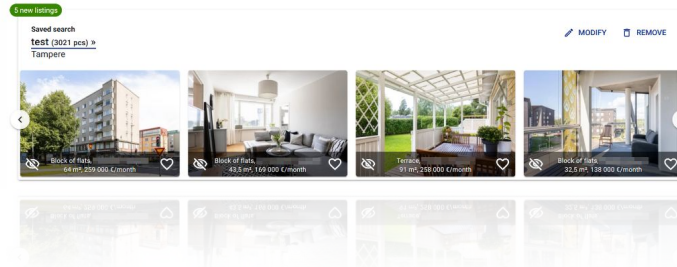
*“I have had a pleasure to work with ArtSoft since 2009 in several software development projects as customer’s project director and primary contact person roles. My company and its affiliated companies started outsourcing partnership with ArtSoft on small pilot project. After the pilot project ArtSoft has shown great qualities that have led to a partnership. [...] I recommend them with enthusiasm as a long-term outsourcing partner.”*

**- Chief Performance Officer  
Product Development**



**Advertise in [REDACTED]**  
If you can't find tenant in 8 weeks, you will be refunded.  
Every fourth announcement is free.  
[CREATE ANNOUNCEMENT](#)

**Looking for apartment to rent?**  
Save a watchdog and you will receive notification when apartment matching your search criteria is published.  
[SAVE WATCHDOG](#)



## 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](#).



Str. Eugen Ionesco, nr. 1A  
Cluj-Napoca, Romania, 400357

 [www.artsoft-consult.ro](http://www.artsoft-consult.ro)

 [office@artsoft-consult.ro](mailto:office@artsoft-consult.ro)

 +40 0264 403 662

+40 0264 403 489

