

Algolia Search Implementation Enhances Retail User Experience with **Faster, More Accurate Search**

-  Successful go-live with zero blockers to production
-  Faster site search performance
-  Improved search accuracy

AT A GLANCE

 Engagement Snapshot



Industry
Retail



Practice area
Quality Engineering



Outcomes tracked
5

The challenge

The project focused on improving the search experience for retail users by enhancing the overall customer journey and delivering a fast and efficient experience.

The existing environment required optimization to better support user experience, including improving search speed, accuracy, and usability. The goal was to create a seamless and efficient search experience aligned with customer expectations.

What Everest delivered

Everest Technologies supported the transformation of the search experience through Quality Engineering, enabling the implementation and validation of Algolia search capabilities.

| Solution components

- **Algolia search implementation support**
Implemented Algolia Search with a comprehensive feature set
Enabled seamless integration into the customer website
- **Testing and validation across phases**
Conducted validation testing for features in each sprint
Ensured completeness and functionality through continuous collaboration
- **Integration testing**
Performed feed validation for product, pricing, and inventory data
Ensured accurate and seamless system integration
- **Search optimization support**
Enabled efficient search tuning and improved performance
Supported enhancement of search recommendations and suggestions

| Approach

The project followed a structured, milestone-driven approach across multiple phases:

- **Project initiation**
 - Planned Algolia integration
 - Defined goals and project scope
- **Detailed planning**
 - Created epics and user stories
 - Defined test strategy and test plans
 - Reviewed and improved acceptance criteria
- **Development phase**
 - Collaborated with developers and product owners
 - Evaluated feature completeness
 - Performed validation testing for each feature
- **Integration phase**
 - Conducted Algolia integration testing
 - Validated product, pricing, and inventory feeds
- **User Acceptance Testing (UAT)**
 - Simulated real-world scenarios
 - Ensured user satisfaction
- **Canary deployment**
 - Validated features in the release environment
 - Increased user traffic with zero blockers

| Impact & outcomes

- Successful go-live with zero blockers to production
 - Faster site search performance
 - Improved search accuracy
 - Enhanced search recommendations and suggestions
 - Automated search tuning reducing manual effort
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| Tools & platforms

- Algolia Search
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