

CASE STUDY

Ardanis Accelerates Insurwave's Growth, Scaling to 500,000+ Assets and Expanding Across Industries.



BACKGROUND

Insurwave, a pioneering InsurTech company, continually transforms maritime, aviation, and property insurance with AI-driven risk assessments and real-time premium adjustments. As they expanded, ensuring seamless scalability and optimal performance became a priority. To achieve this, Insurwave sought a trusted partner to enhance its platform and automation.

Ardanis was the clear choice for its unmatched expertise in transforming high-performance, scalable solutions. Through multiple strategic projects, Ardanis enhanced Insurwave's technology infrastructure, streamlined workflows, and advanced automation to support continued expansion.

Insurwave

As Insurwave ventured into new industries, it became essential for the platform to scale quickly and provide more without compromising on performance.

CHALLENGE



As Insurwave expanded into new industries, its platform needed to scale rapidly while maintaining high performance:

Insurwave faced the following challenges:

- **Scaling Challenges** –To support millions of assets, an advanced approach to asset visualisation was required.
- **Scalability for Expansion** – As Insurwave expanded into new sectors, particularly aviation and property, a highly scalable ingestion architecture was required.
- **Flexible Development Resources** – A cost-effective, agile strategy for scaling development resources quickly was essential to meet project demands.



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SOLUTION

Ardanis optimised Insurwave's platform, driving operational efficiency and supporting rapid expansion across multiple industries.

Ardanis played a pivotal role in streamlining development resources, expertly scaling to meet project demands while maintaining the highest quality standards, ensuring Insurwave's position at the forefront of InsurTech innovation.

Key solutions included:

- Cloud-native Architecture – Built on Microsoft Azure to ensure reliability, scalability, and flexibility for future growth.
- Optimised .NET Backend – Designed to handle large-scale data processing efficiency, enhancing overall performance.
- Modern React Frontend – Created a seamless intuitive user experience for improved engagement.
- Automated Workflows – Enabled real-time risk assessments, premium adjustments, and policy issuance.
- Self-Service Customer Portal – Empowered clients with real-time vessel tracking and policy management capabilities.
- AI-driven Data Import – Processed large volumes of data efficiently, supporting operational needs.
- Property Exposure Project – Visualised over 500,000 assets to support Insurwave's expansion into property insurance.

To accelerate delivery while maintaining high-quality standards, Ardanis also scaled development resources using trusted nearshore teams.

KEY OUTCOMES



The collaboration between Insurwave and Ardanis delivered substantial operational and business improvements:



500K+ Assets Supported: Scalable platform managing over 500,000 aviation and property assets.



Seamless Client Onboarding: Integration of major clients like Maersk enhances customer acquisition and retention.



Future-Ready Architecture: Optimised system ensuring high performance and long-term growth.



Real-Time Automation: Instant premium adjustments, document issuance, and self-service access for improved efficiency.

Ardanis' collaboration with Insurwave resulted in a scalable, efficient, and automated platform, enabling expansion into new industries and streamlining operations. This transformation positioned Insurwave as a leader in the InsurTech space, offering cutting-edge technology solutions to its growing client base.



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