HALORADIUS

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Customer Case Study: The DigsFact Halo Radius Collaboration

OVERVIEW

DigsFact is on a mission to streamline property measurement and estimation processes, primarily focusing on insurance companies and home improvement contractors. Their innovative approach allows homeowners to remotely estimate property claims and renovations easily with a smartphone. DigsFact's technology revolutionizes how property assessments are conducted, offering a more efficient, cost-effective solution.

"If I were to describe Halo Radius in one word, it would undoubtedly be Innovative. Their approach and solutions were not just effective; they were groundbreaking, setting new benchmarks for what is possible with scalable

CEO & Co-Founder Nishant Tomar

THE CHALLENGE

The DigsFact engineering team faced significant challenges in scaling their technology. Their data processing capabilities were strained under the weight of increasingly large and complex datasets. Similarly, their machine learning algorithms, crucial for precise property measurements, needed enhancement to ensure the most accurate results.

THE APPROACH

With expertise in building large-scale systems, particularly those involving machine learning and data pipelines, Halo Radius offered a fresh perspective. The Halo Radius is collaborative and methodological to ensure seamless integration with existing processes at DigsFact.

"The collaboration with Halo Radius brought transformative changes to our platform", says Nishant Tomar, DigsFact CEO and Founder. "Their technical enhancements to our data architecture and machine learning algorithms significantly improved our system's efficiency and accuracy."

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THE SOLUTION

The collaboration between DigsFact and Halo Radius led to the development of a highly sophisticated solution, characterized by the following technical enhancements:

Advanced Image Processing Pipeline: Halo Radius implemented a robust image processing pipeline capable of handling high volumes of property photos with enhanced accuracy and speed. This pipeline used cutting-edge machine learning algorithms for precise dimension estimation from images.
Scalable Data Architecture: A re-engineered data architecture was introduced to efficiently manage the increased volume of data, ensuring seamless scalability and reliability.
Optimized Machine Learning Models: The machine learning models were refined for greater precision in property measurements, integrating advanced techniques like convolutional neural networks (CNNs) for better feature extraction from images.
Automated Data Workflow: An automated workflow was established for data processing, from image upload to measurement extraction, significantly reducing manual intervention and speeding up the estimation process.

THE RESULT

The collaboration yielded remarkable results, including:

Enhanced Data Handling Capacity: DigsFact's platform can now efficiently process and analyze large volumes of image data, supporting a high number of concurrent property estimations.
Cost-Effective Scaling: The system employs automated scaling strategies, optimizing both performance and operational costs.
Improved Accuracy and Efficiency: The refined machine learning models led to more accurate property measurements, contributing to better customer satisfaction and operational efficiency.
Developer-Friendly System Design: The revamped system architecture is API-centric, facilitating easier integration and interaction with other software systems, enhancing the overall developer experience.

"50%

Increase in product development pace and we rolled out new features in a timeframe previously thought impossible.

CEO & Co-Founder Nishant Tomar "