

HEXAWARE

Hexaware Creates the First FDA-Approved Digital Medicine System for Enhanced Patient Care Management

Enhancing Medication Adherence and
Patient Outcomes

Case study



Client

| Client

Challenge

Solution

Benefits

Summary

A leading global pharmaceutical company, renowned for its commitment to innovative digital solutions in healthcare, aimed to enhance patient care management and well-being through advanced technology. This organization, known for its pioneering spirit in healthcare, recognized a growing concern: medication adherence.



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Patients who rely on daily medications often forget if they've taken their doses, leading to severe health setbacks. The consequences of such forgetfulness can be dire, especially for those managing chronic conditions. The pharmaceutical company saw this pattern not just in anecdotes from patients but in alarming statistics. They realized that the existing solutions weren't enough; patients needed a systematic and reliable way to track their medication intake.

The challenge was clear: develop a method to accurately detect and monitor medication ingestion in real-time, ensuring that patients could maintain their health without the constant worry of missed doses. This meant that technology needed to intersect with healthcare in a way that was user-friendly, reliable, and effective.



Solution

- Client
- Challenge
- Solution**
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When the pharmaceutical giant approached Hexaware with their challenge, Hexaware saw not just a project but an opportunity to transform patient care management on a global scale.

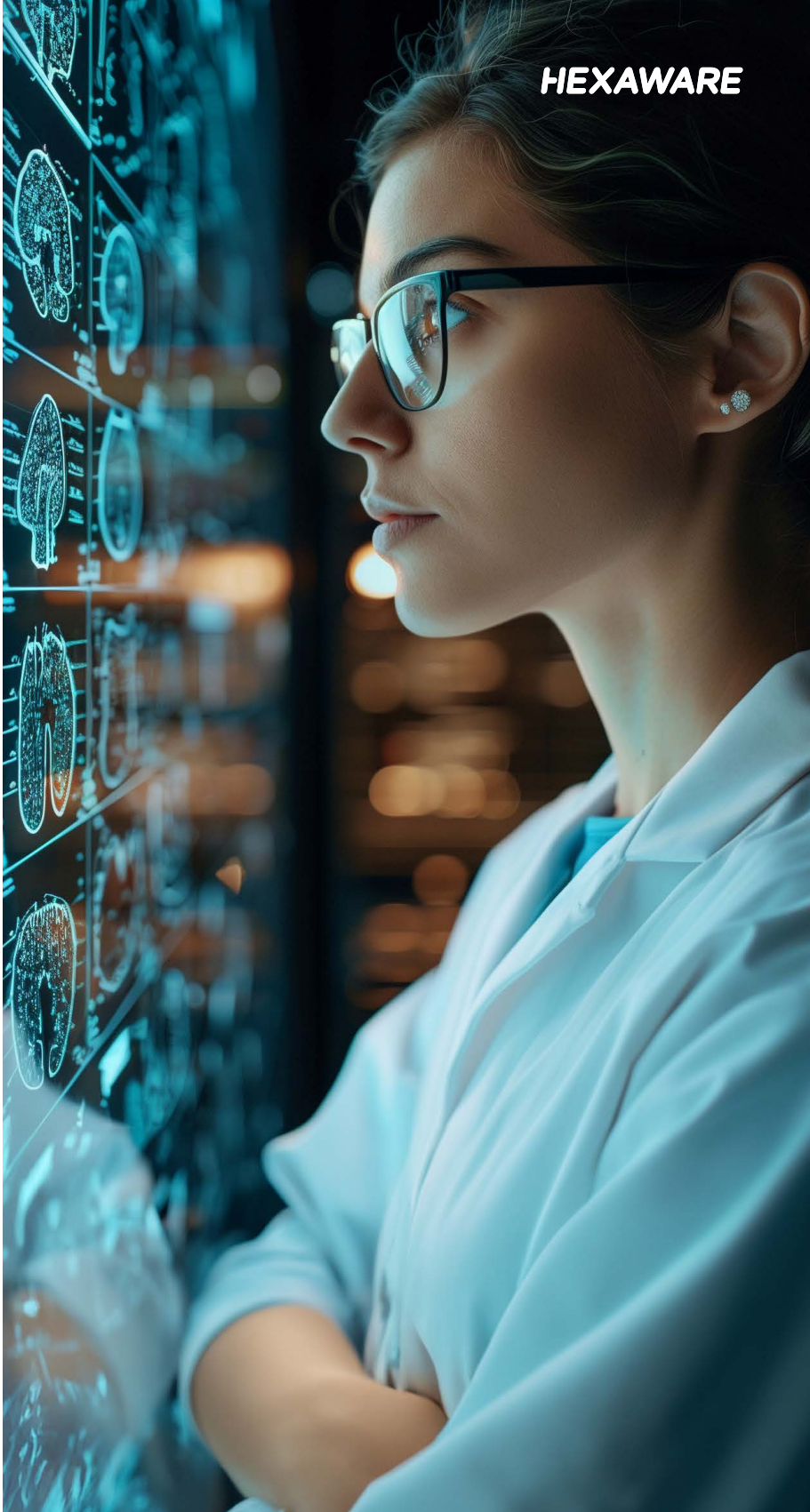
Hexaware assembled a powerhouse team of designers, software developers, and quality assurance engineers, each bringing a unique perspective to the table. The mission: to design and develop a groundbreaking digital medicine system that could seamlessly integrate into the lives of patients and the practices of healthcare providers.

The result was a drug-device combination product embedded with an ingestible event marker (IEM) sensor that was designed to track medication ingestion in real-time, providing accurate data to patients, healthcare providers, and even caregivers. The digital health system included:

- **Patient App:** A user-friendly mobile app that allows patients to track their medication intake, receive reminders, and log their health data, including factors affecting health like mood and rest data.
- **Healthcare Provider Portal:** A web-based portal that enables healthcare providers to monitor patient adherence, review health data, and adjust treatment plans accordingly.
- **Caregiver Portal:** A platform for caregivers to support patients by tracking their medication intake and health status.

Understanding the critical importance of data security and user privacy, Hexaware built a secure, HIPAA-compliant hosting solution. We also developed custom tools for human factors studies, ensuring a better digital patient experience and making technology easy to use for people of all ages and varying technological abilities.

Our strategic partnership with the client continues to provide advanced technical support for clinical studies and commercial users, ensuring the system evolves with the needs of both patients and healthcare providers.



Benefits

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The impact of the first FDA-approved digital medicine system was profound.

For patients:

It eliminated the uncertainty—no more second-guessing whether they had taken their medication. The system provided real-time data, empowering them to confidently take control of their health.

For healthcare providers:

They could now enhance patient engagement through data-driven conversations, tailoring treatment plans based on precise, real-time information rather than assumptions.

This solution also unlocked new possibilities for personalized care. Physicians gained deeper insights into their patients’ habits and challenges, enabling more targeted and effective interventions. For the pharmaceutical company, this project’s success represented a major advance in their mission to innovate and improve patient outcomes.

The digital medicine system didn’t just solve a problem—it transformed how patients and healthcare providers interact, setting a new standard for medication adherence and patient care management.



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| Summary

Hexaware partnered with a leading pharmaceutical company to develop a revolutionary digital medicine system that transforms how patients track and adhere to their medication regimen. This system empowers patients with real-time data, enabling personalized care and improving health outcomes. By leveraging advanced technology, they created a suite of applications that empowered patients and healthcare providers with data-driven insights, leading to improved health outcomes and personalized care.



About Hexaware

Hexaware is a global technology and business process services company. Our 32,000+ Hexawarians wake up every day with a singular purpose; to create smiles through great people and technology. With this purpose gaining momentum, we are well on our way to realizing our vision of being the most loved digital transformation partner in the world. We also seek to protect the planet and build a better tomorrow for our customers, employees, partners, investors, and the communities in which we operate.

With 54 offices in 28 countries, we empower enterprises worldwide to realize digital transformation at scale and speed by partnering with them to build, transform, run, and optimize their technology and business processes. Learn more about Hexaware at <https://www.hexaware.com>.

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