

HEXAWARE

Revolutionizing
Diabetes Care
with Digital Health
Solutions



Client

| Client

- Challenge
- Solution
- Benefits
- Summary

Innovating Diabetes Care with Digital Health Solutions

Our client is a leading provider of digital health solutions focused on diabetes self-management and technology education. Their innovative platform delivers virtual health solutions tailored to individual users, enhancing the experience of diabetes technology adoption.



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Addressing the Gaps in Diabetes Education with Virtual Health Solutions

Diabetes is the **fastest-growing** chronic disease in the world, costing over \$400 billion per year in the **U.S. alone**. Despite advancements in digital health technology, such as insulin pumps and continuous glucose monitoring systems, many individuals with diabetes struggle to meet their health targets, leading to significant complications. High-quality diabetes education is essential but often outdated, inaccessible, and expensive.

To differentiate themselves in a competitive market, our client aimed to offer a more comprehensive support experience for people with diabetes. They needed to create a user-friendly and engaging platform that achieved three specific objectives:

- Train patients to use their diabetes devices effectively.
- Educate users on common challenges and scenarios to improve their quality of life.
- Gather valuable data to enhance their problem-solving database for the interactive tool.

The mobile health application experience needed to deliver valuable content that would effectively support diabetes management, ensuring users received the information necessary to manage their condition. Additionally, it was essential for the platform to engage users in a fun and interactive way, fostering a sense of enjoyment that would encourage regular return visits. Accessibility was also a key factor; the application had to be available anytime and anywhere, enabling users to seamlessly incorporate it into their daily routines. Finally, the solution needed to be extensible, built with flexibility to allow for future feature enhancements that would further improve patient engagement and the overall user experience.



Solution

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Developing a Custom Mobile Health Application for Diabetes Management

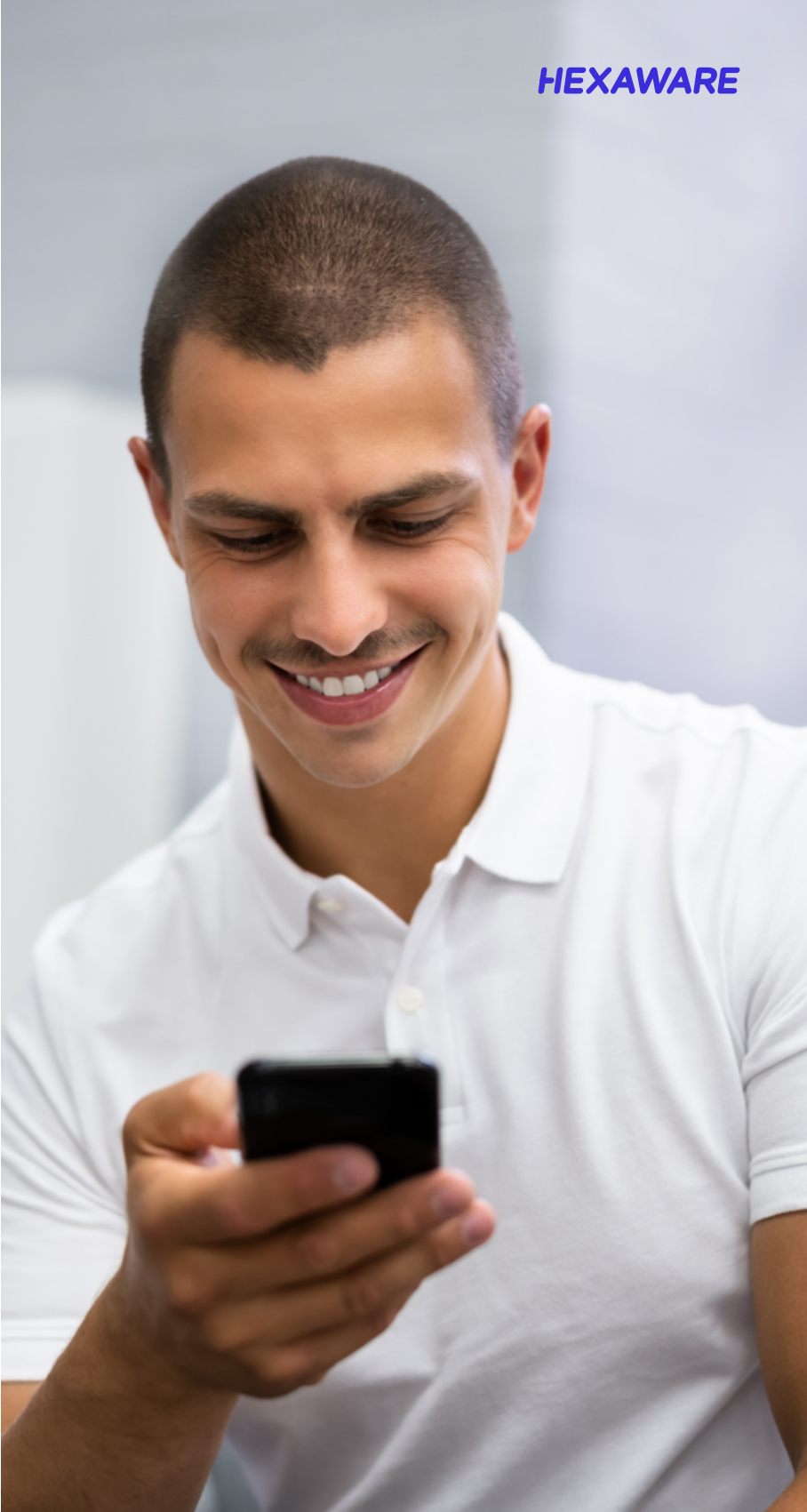
To address these challenges, the Hexaware team developed a mobile health application and web application that incorporated AWS Sumerian, creating an interactive virtual health solution. This solution enabled users to access the platform anytime and anywhere. Key AWS services utilized included:

- **AWS Cognito** for application security
- **Amazon S3** for content hosting, data storage, and delivery

The AWS infrastructure allowed for the storage of users' actions, enabling them to interact seamlessly across various platforms without losing progress.

The platform was designed to support individuals with diabetes in learning how to use their devices for everyday tasks, such as pump setup, bolus delivery, and carbohydrate counting. It also addressed more advanced topics like exercise management and emergency response.

Each action taken by the user triggered realistic physiological responses within the platform, enhancing the educational experience. Users interacted with a virtual host who guided them in managing their diabetes symptoms with their insulin pumps. The gamified approach tracked and scored progress, ensuring ongoing engagement.



Benefits

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Improved Patient Engagement and Health Outcomes with Digital Health Technology

The partnership with Hexaware resulted in several key benefits for our client:

- **Enhanced Patient Education:** Users received tailored education that improved their understanding of diabetes management.
- **Increased Engagement:** The gamified experience encouraged regular use, helping patients stay engaged with their diabetes care.
- **Improved Health Outcomes:** Comprehensive education led to better health management and fewer complications for users.
- **Cost Savings:** By streamlining the education process, our client reduced overall educational costs, benefiting both patients and diabetes technology companies.



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Revolutionizing Diabetes Self-Management with Comprehensive Digital Health Solutions

Our client has revolutionized diabetes support by creating an accessible, engaging, and comprehensive healthcare application platform. By leveraging Hexaware’s expertise and AWS technologies, they not only enhanced patient education but also improved health outcomes for individuals with diabetes. This innovative approach set a new standard in diabetes self-management, addressing both the immediate educational needs and the long-term support of users.

Let’s innovate together! [Connect with Hexaware](#) to learn how we can help you develop tailored digital health solutions that meet the needs of your patients.



About Hexaware

Hexaware is a global technology and business process services company. Every day, Hexawarians wake up 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 offices across the world, we empower enterprises 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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