Top 20 Healthcare Technology Solution Providers - 2019

Technology is revolutionizing the modern world's conception of healthcare delivery. Artificial intelligence (AI), data analysis, Internet of Things (IoT), robotics, augmented reality, and other technologies are enabling machines to sense, comprehend, act and learn so that they can perform administrative and clinical healthcare functions. In a nutshell, technology is no more about just complementing the healthcare processes, but enhancing them, as well.

New applications of technology in healthcare are enhancing the efficiency of healthcare providers, their revenue as well as healthcare outcomes. MHealth and wearables are aiding patient monitoring on the go, with physicians getting real-time updates of the patients' metrics. Individualized computer simulations enable the development or regulatory evaluation of a medicinal product, device or intervention. Innovative payment platforms enable financial transactions with advanced security. Robotics assist surgery, rehabilitation of injured patients, and even contribute to psychological wellness with robotic companions serving as social partners to treat mental health disturbances. Technology is actualizing amazing possibilities in healthcare delivery.

A distinguished selection panel comprising CEOs, CIOs, VCs, and the APAC CIOoutlook magazine's editorial board has selected a list of the most leading-edge healthcare technology solution providers that leverage innovative technologies and strategies to enhance the performance of today's healthcare providers. With the featured insights into the offerings and methodologies of the top-notch healthcare technology vendors in the market today, we believe you will be motivated to deploy them for the benefit of your practice and patients.

We present to you APAC CIOoutlook's "Top 20 Healthcare Technology Solution Providers - 2019."

Origin Integrated Studios

Recognized as

APAC CIOOutlook TOP 20
HEALTHCARE TECHNOLOGY
SOLUTION PROVIDERS - 2019

The annual listing of Top 20 companies providing
Healthcare Technology Solutions in the APAC region

Annie Johnson
Managing Editor

Company:

Origin Integrated Studios

Key Person:

Kenneth Kee
CEO

Description:

Develops innovative and creative software solutions for Malaysia with a focus on healthcare enterprise systems

Website:

originistudios.com

ORIGIN INTEGRATED STUDIOS

Bringing Innovative Software Solutions to Healthcare

Kenneth Kee,
CEO

Headquartered in Kuala Lumpur, Origin Integrated Studios is one of the fast-growing Multimedia Super Corridor (MSC) Status software development and solutions companies committed to creating innovative and creative software solutions for Malaysia and its regions. While very few software development companies focus on enterprise systems for the healthcare industry, Origin is driven by a mission to make a difference by providing quality healthcare solutions through a team of talented, enthusiastic, and passionate software developers and designers. The CEO of the company, Kenneth Kee proudly mentions, "We are a people company, focusing on long-term and trusting relationships with our customers, which is the main ingredient of successful project implementations and longevity." Origin inspires young talent to devise novel healthcare solutions that are internationally recognized and is conjointly building important, stable, and comprehensive applications to solve the complex challenges in the healthcare technology market.

In an interview with APAC CIOoutlook, Kenneth Kee shares some insights on Origin's robust solutions, cutting-edge technology they use, and the unrivaled services they bring to the industry.

WHAT ACCORDING TO YOU ARE THE CHALLENGES THAT IMPEDED THE EARLY ADOPTION OF ELECTRONIC MEDICAL RECORD SOLUTIONS AND HOSPITAL INFORMATION SYSTEMS (HIS)?

In the early wave of EMR adoption, some hospitals had explored the premature, expensive EMR solutions available in the market, which proved inadequate. In certain instances, HIS vendors failed to integrate with their proposed third-party EMR product and accommodate the required customizations to meet the user requirements. Even to this day, some of these hospitals are incurring the consequences of deploying rudimentary hospital systems and are struggling with the appointed vendors who are not able to deliver effective EMR solutions tailored to their needs.

PLEASE ELABORATE ON YOUR PRODUCTS AND THE TECHNOLOGY UNDERPINNING THEM.

To streamline healthcare operations and improve the quality of care, Origin offers its intuitive EMR system and HIS, developed with over 10 years of industry experience. Origin's products are developed on Java Platform, Enterprise Edition (JAVA EE)—the standard in community-driven enterprise software. The user interfaces are developed using the latest in web technologies: HTML5 and CSS3. Origin EMR comes with iNTERFACEWARE IGUANA HL7 interface engine, which is used by more than 800 healthcare providers and vendors and is supported by Mozilla Firefox and Google Chrome.

COULD YOU TALK ABOUT THE COMPREHENSIVE SERVICES THAT YOU DELIVER TO YOUR CLIENTS?

We at Origin are proposing a joint requirement information gathering approach to building a reliable, sophisticated HIS and EMR solution for our customers. Drawing on its industry experience and talented resources from the R&D team, Origin will provide customers with consultancy and expertise on developing features and functionalities while gathering information on specification requirements. On adopting this implementation approach, our customers will be deeply involved throughout the implementation process, resulting in faster deployment times and accurate delivery compared to the traditional method of gathering system requirements through multiple interviews.

Together with our customers, we plan and manage projects by implementing the management practices

deemed necessary to achieve project objectives. Origin also coordinates overall project activities with customers while providing support, change management, and communications throughout the project duration. As part of our implementation service, we offer systems training to IT systems administrators, trainers, and users. Further, we design and perform system configuration, including documentation of the final blueprint. Origin also conducts integration testing, coordinates the User Acceptance Test (UAT), and supports key users in performing the UAT. Catering to post go-live maintenance requirements, Origin brings in comprehensive application software maintenance support services including software patches, updates, and technical advice either remotely or on-site if necessary.

KINDLY SHARE SOME INSIGHTS ON ORIGIN'S ORGANIZATIONAL CULTURE, CORE VALUES, STRENGTHS, AND YOUR TEAM.

Origin highly emphasizes the value of creating a long-lasting, synergistic relationship with its customers and partners—growing and facing the challenges of modern times together. We have proved our potential to persistently solve problems and finish tasks at hand, and our satisfied customers bear testimony to the quality of our services. Delivering on-going technical and consultancy support, we work in close collaboration with our customers to offer cost-effective solutions suitable for their needs.

Equipped with extensive experience in the development, implementation, and support of HIS and EMR systems, our team possesses strong technical expertise and skillset in integrating sub-systems from different vendors ranging from API, standard HL7 protocol, to the database level. Origin has a proven track record of implementing solutions on schedule, within months as opposed to years and our domain knowledge is unquestionably at the top of the game.

With dedication and teamwork, we believe we can build anything, on time.

HOW IS ORIGIN INCORPORATING ARTIFICIAL INTELLIGENCE (AI), AUTOMATION, AND INTERNET OF MEDICAL THINGS (IOMT) IN ITS SOLUTIONS TO BOLSTER THEIR CAPABILITIES?

In collaboration with its partner, Origin is rolling out automation solutions including mobile applications and advanced, portable patient monitoring systems to enable hospital facilities to meet growing digitalization needs of patients. We are driven by the goal to boost patient-centric care, provide more value-based services, and offer personalized medicine by less human-to-human or human-to-computer interaction. With IoMT-smart sensors or medical devices that can detect issues in real time, embedded in healthcare solutions along with AI and machine learning capabilities, caregivers receive early notifications on impending patient complications.

Our EMR Early Warning Score (EWS) module supports interfacing with IoMT, reinforcing the potential of both clinical and remote home-based nursing care environments. The IoMT-powered solution will not only drive down labor costs but also take the burden off the shoulders of medical practitioners who invest significant time in repetitive tasks such as verifying health insurance and checking vital signs. With remote monitoring through connected wearable devices, it will allow constant monitoring at home, shortening patients' stay in the hospital. With smart connected monitoring devices linked to patient records, pharmacy systems, nursing staff schedules, and more, the sensors in these smart devices can collect data, which can be analyzed to determine whether to trigger a silent alarm for a noncritical event or an audible alarm for a life-critical event. In this way, we can increase confidence in alarms, reduce workload, and drive timely action while reducing false alarms and alert fatigue.

> We are a people company, focusing on long-term and trusting relationships with our customers, which is the main ingredient of successful project implementations and longevity

IoMT allows to proactively trigger an alert when the devices are near failure or in need for routine maintenance along with facilitating patient monitoring, optimized staffing, asset tracking, supply and drug management. The high volume and broad scope of IoMT data make it possible to develop powerful learning and adaptive diagnostic and healing models. Besides, IoMT technology can integrate and analyze diverse types of diagnostically relevant data and move it to clinical decision support systems to assist providers with a complete picture of each patient's health.

WHAT DOES THE FUTURE HOLD FOR YOUR ORGANIZATION?

With continual efforts in developing and utilizing predictive AI technology, Origin is currently working with partners to develop AI solutions that integrate clinical data from patients across departments to enhance efficiency and better allocate resources. Delivering on its commitment through efficient software delivery, Origin is on its way to transforming the healthcare industry with unprecedented software solutions. We aim to become a household brand in the healthcare industry by listing the company in the market within the next five years. ACO