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SiteRocket Labs Accelerates Healthcare Application Development with Caspio

SiteRocket® Labs

COMPANY PROFILE

SiteRocket Labs is a global company that develops custom web applications. Founded in 2008, this tech-savvy web development agency provides application design, development, hosting and maintenance services, with a primary focus on health and life sciences. To date, they have successfully launched over 150 applications for a wide range of clients.

SiteRocket.com

CHALLENGE

SiteRocket Labs needed to quickly build custom web applications that comply with the Health Insurance Portability and Accountability Act of 1996 (HIPAA) by safeguarding the confidentiality of health records and medical information.

SOLUTION

Caspio's HIPAA Edition provides SiteRocket Labs with a platform that ensures the web applications they build are immediately HIPAA compliant.

BENEFIT

Using Caspio, SiteRocket Labs managed to cut development time by over 60%, accelerating time-to-market and speed-to-revenue.

> "Thanks to Caspio, we are building HIPAA-compliant web applications in a fraction of the time."

David Emerson
Founder, SiteRocket Labs

THE IMPORTANCE OF HIPAA COMPLIANCE

In 2015, Americans spent $3.24 trillion on healthcare and medical treatments. With that much at stake, it's imperative that healthcare entities safeguard patient data and eliminate fraud. When the US government passed the Health Insurance Portability and Accountability Act (HIPAA) in 1996, it was with the intention to protect the fidelity of medical records, prevent data breaches and improve the way medical information is shared. Any organization that handles personal health information is required to comply with HIPAA — and this extends to all applications developed by technology providers that store, maintain and transmit personal medical records.

One of these technology providers is SiteRocket Labs. SiteRocket builds custom web applications for customers in the healthcare industry, with many of their clients funded by heavyweight institutions such as the National Institutes of Health, Harvard T.H. Chan School of Public Health and the Bill and Melinda Gates Foundation. "The applications that we develop are customized and have complex requirements," says David Emerson, SiteRocket Labs' founder and creative lead. "It goes without saying that these applications need to be HIPAA compliant."

OUT-OF-THE-BOX HIPAA COMPLIANCE

Emerson needed a low-code application development platform that would allow his developers to rapidly build custom online database applications that adhere to HIPAA requirements. Being a seasoned IT professional, Emerson has experience using other low-code platforms and found them either too rudimentary or lacking the

right integration and security features. Continuing his search for the ideal platform to fit his needs, Emerson discovered Caspio and was immediately attracted to the HIPAA Compliance Edition. "Caspio presents a big benefit to health and medical organizations because HIPAA compliance comes out-of-the-box," says Emerson.

POWERFUL SECURITY AND INTEGRATION FEATURES

Emerson found Caspio to be a flexible low-code platform that is well-suited for a wide range of healthcare applications. Security is in Caspio's DNA and the Caspio platform is built on powerful cloud database technologies. With Caspio, SiteRocket Labs benefits from having a dedicated server where data is securely stored. Having a dedicated server also prevents unauthorized entities from accessing confidential information. Encryption protects the data's integrity, especially when it is transmitted to different channels. To ensure the user's accountability, Caspio also has audit logs that record the movement of data. "Caspio has strong security and authentication mechanisms such as built-in record-level security," says Emerson.

Using Caspio, SiteRocket Labs quickly developed and deployed applications such as an operations management platform for a medical-related company and a contact management database for a health consulting company. These applications were all rapidly built, securely deployed and HIPAA-compliant from the get-go.

Caspio's built-in API interface and ability to customize the front-end code were stand-out features for Emerson. "It's easy to integrate Caspio with other systems," says Emerson. "Using Caspio's API, we can extend its functionality even further."

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REDUCING DEVELOPMENT TIME

As an agency owner with fast-paced clients, Emerson is constantly looking to reduce the time it takes to build applications and bring his clients' visions to market. When using Caspio, Emerson was pleasantly surprised to find that SiteRocket Labs is able to cut application development time by over 60%. "Every project is different, but Caspio cuts that process down to a fraction of the time," shares Emerson. By Emerson's estimate, a development project that would normally take 1,000 hours could be slashed to around 350 to 400 hours with Caspio.

"Low-code platforms like Caspio drastically reduces cost and time-to-market compared with traditional code-based application development," says Emerson. "For example, we estimated that the operations management platform we built would have taken us 585 hours to develop using traditional coding methods, yet it took 236 hours to configure on Caspio.

This represents a 60% savings." Emerson particularly appreciated how applications are "configured" rather than coded and how existing applications are much easier and safer to upgrade and enhance over time without the risk of introducing bugs asthere is with traditional coding.

PAVING THE WAY FOR NEW BUSINESS

Ultimately, the biggest benefit that Caspio gives SiteRocket Labs is the confidence to land more projects and expand its business. By cutting development time, SiteRocket Labs is able to accelerate their time-to-market and speed-to-revenue. What's more, Caspio HIPAA Compliance Edition gives Emerson and his team the exclusive benefit of immediate HIPAA compliance – a must in the healthcare industry. Caspio has truly become an indispensable tool for SiteRocket Labs.

"I will say that using Caspio has enabled us to land projects," says Emerson. "For that reason alone, we will continue using it."

Out-of-the-Box HIPAA Compliance
HIPAA regulations are broad and strictly enforced. Fortunately, Caspio provides SiteRocket Labs with a development platform that maintains full compliance with HIPAA regulations.

Versatile Online Forms
Strong administrative, technical and physical safeguards protect sensitive data from hacking and unauthorized access. This includes infrastructure specifically designated for HIPAA accounts, data encryption during transit and at rest and trained HIPAA compliance officers in support teams designated for HIPAA accounts.

Built-In Cloud Database
We use only the best in open standard technologies. Caspio is built on Microsoft SQL Server, an enterprise-grade database system that allows SiteRocket Labs to develop web applications securely and reliably.
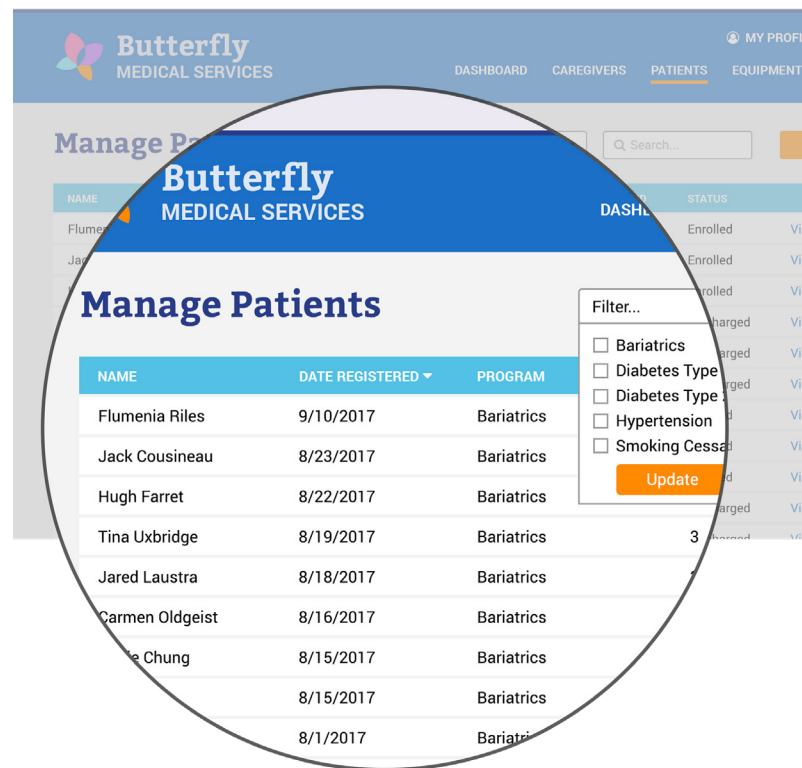
Seamless Integration
Caspio makes it easier for developers to expand their applications' functionality because it works well with other systems such as Amazon, Zapier, Dropbox and Google Drive.

SiteRocket develops data-driven web applications powered by Caspio

Application Developer Spotlight: David Emerson

David Emerson is SiteRocket Labs' founder and creative lead. He started his successful IT career building websites for university professors. The popularity of his service eventually blossomed into a software company that develops custom applications and mobile-friendly tools. As his team grew, SiteRocket Labs worked on larger and more complex projects in the realm of health and life sciences. Today, his team continuously uses emerging and innovative technologies to serve a growing roster of clients.

COMPANY PROFILE

Caspio is the leading cloud platform for building custom business applications without coding. Embraced by business professionals for ease of use and trusted by IT professionals for security, compliance and scalability, Caspio's all-in-one platform provides everything needed to capture data, share information and automate business processes. The combination of a powerful online database, rapid application development tools and scalable cloud infrastructure reduces software development time by up to a factor of 10. Caspio powers more than one million applications for businesses of all sizes in over 100 countries, ranging from global corporations and government agencies to universities, nonprofits and small businesses.

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