

## **What is SDaaS? Applying Software Development as a Service**

SDaaS, also known as software development as a service, is utilized by EPIC to define the process of holistically designing software on demand. SDaaS is the process of developing software to meet a company's needs so that the company can, in turn, reach their customer's needs. This typically involves creating software for small to medium-sized organizations.

SDaaS is a part of the "as a service" (AAS) movement, which includes SaaS: software as a service. The adoption of SaaS disrupted the established status quo and the acceptance of poor user satisfaction with new software developments. When SaaS was utilized, organizations found there were fewer barriers when acquiring new software. Adopting SDaaS can provide similar benefits as SaaS for clients who require industry-specific software development.

## **What is the history of SDaaS?**

The concept of software development as a service was born out of a need for a service provider that saw and worked on the bigger picture instead of viewing and working in small silos. There are numerous software development companies in the industry to which small and medium-sized businesses can offshore their development needs. Still, most companies are not thinking ahead and looking at the business goals of the software and company that hired them.

Most developers are hyper-focused on selling what they have in their silos. EPIC uses SDaaS to look at the overall business goals and the bigger picture. The SDaaS path is driven toward the end goals of the software and is continually working toward the product vision.

Software developers often lack communication skills and quality results. These service providers don't attempt to understand what the organization is trying to fix through the new software. Instead, most service providers are there to take orders and aren't looking at the broader picture to solve the overall business problem. In contrast, SDaaS offers cohesion throughout the development process with an expert understanding of the issue, end goals, and what is needed out of the software.

## **What are the benefits of SDaaS?**

SDaaS allows organizations to develop the software they need without scaling their company up through on-boarding. This offers a flexibility that is similar to staff augmentation. Companies can hire software development experts when they need them, and only when they need them. Through SDaaS, businesses gain access to experts with the specific skills required to build custom software. Companies also have the option to outsource the entire development process.

Software developers at EPIC are better suited to fully understand the requirements of the project, keeping your end goals in mind. SDaaS involves developing the architecture of the software along with the UX/UI design. Developers design the front and backend API, interfaces, and everything required in the application. With SDaaS, EPIC also provides quality assurance and testing, both automated and manual.

SDaaS is also typically more cost-effective than other development avenues, meaning your money is spent wisely and your resources are maximized to result in the highest return on investment.

### **How is SDaaS different from SaaS?**

Most SaaS companies do either development or testing, whereas SDaaS does both. SDaaS is about making the product more easily understood and developed from start to finish — meaning that with EPIC, you hire the whole package.

Instead of looking at the project as one piece, e.g., QA, DevOps, and other elements all rolled into one, SDaaS looks at the client's needs and the end business goals. A business might not know all the pieces they need — so through SDaaS, EPIC developers analyze the goals and determine what is needed and what is the correct path. Then, everything is packaged together so that the business does not need to worry about the minute details.

EPIC is a solutions provider. We come up with solutions that take the business further than they initially thought they could go. With Think Ahead and SDaaS paired together, the newly developed software will service all the original problems and all the new solutions. SDaaS is the end result of the product vision.

### **What we offer**

Think Ahead and SDaaS are not mutually exclusive. Both concepts work together and complement each other. With the two, we provide the central tenets of SDaaS, which are UX design, architecture, development, testing, and DevOps. We follow the proper methodology for the project requirements, provide feedback, refine the flow of the software, and make recommendations for improvements. We then implement all changes into the newly designed software.

No matter what your company has in mind for the new software, SDaaS looks at the broader picture, finds solutions to problems you might not have known existed, and offers recommendations. EPIC builds a product that goes above and beyond to meet your needs and, by extension, your client's needs.

### **Conclusion**

Software development as a service is the natural term to define what we provide at EPIC. We offer all the necessary capabilities, skills, technologies, and best practices learned over 30 years' experience to design software that meets your business goals and provides solutions. Businesses can completely outsource their software products or decide only to outsource individual services based on the evolution of their solution.

Some businesses might only need QA engineers for performance testers, while other companies need the full scope of their project outsourced through an SDaaS program. For QA testing, some businesses are victims of their success. They have a great product, but it crashes

because it can't perform heavy loads. That's where the company can bring in QA testers from EPIC to ensure that crashing doesn't happen in the future. This is what makes us different. We get to core business goals, like QA testing, before we start working.