

Cerebrum Identified 2023 Software Architecture Trends – What Every Tech Investor Must-Know

Alpharetta, Georgia Jun 28, 2023 ([Issuewire.com](https://www.issuewire.com)) - Cerebrum is an organization dedicated to offering software architecture services to startups, legacy organizations, and others. We have a dedicated team of architectures who will guide people moving towards digital transformation with their extensive knowledge to create the perfect foundation leading up to a project management plan for perfect execution.

In the tech world, the only time a trend can exist and persist is when it offers something better. Therefore, it is essential for businesses in the field of IT and others that are leveraging the technologies to know about these trends.

However, it does not mean that you need to follow these directions without deviations. Instead, you must critically assess what you have in hand and modify it to best meet your needs.

In this post, we are talking about one of the more underrated aspects of [software and application development – architecture](#). It is an element that is usually overlooked, underappreciated, and completely neglected until it is too late. However, that is changing. Here are the application architecture trends that you must consider.

- Focusing on Portability

Frameworks like Dapr enable design for portability. This system allows the creator to add value to the project without worrying a lot about the platform details.

- DApps

Blockchain technology is revolutionizing the application industry as it facilitates decentralized apps. It will change how online platforms function. However, it has only a few takers for now. Therefore, it still is among the innovative trends.

- Creating Data-driven Architecture

Application architects must determine the structure, storage, and processing of data at the very beginning of the project. The up-front assessment of these concerns can help businesses derive value from the insights, including making use of AI/ML technology.

- Sustainability at Core

Being sustainable helps the environment, but a major contributor to its rise is the fact that energy is costly, and businesses want to spend less on it. As portability improves, businesses will have ways to make these applications run in a more environmentally friendly way.

- Architects – The Principal Engineers

Architects are facilitators of excellent applications. But that means that they must think beyond just the technical issues. Today, architects are expected to spend time creating the core of the application and

make important decisions related to the security, infrastructure, and scalability of the final product.

Additionally, today companies expect application architects to collaborate with people building the system to continually improve the system design.

Final Thoughts:

The design decisions made at the beginning of the project have long-term effects on your final product. Therefore, you need someone experienced in the field to consider the various trade-offs of using specific technologies and application design elements before you even start making the application.

Hiring a team of expert architects before you start building an application can truly change the overall outcome of your project. At Cerebrum, we have experienced architects willing to create the appropriate documentation, leveraging their years of skills and knowledge to create the perfect blueprint for the project of your choice. Get in touch to know how we can help you today.

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