



Case study

SPACE METAVERSE

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#Team Extension
#Web development
#E-commerce Tech
#FinTech
#Metaverse

Client
Canada



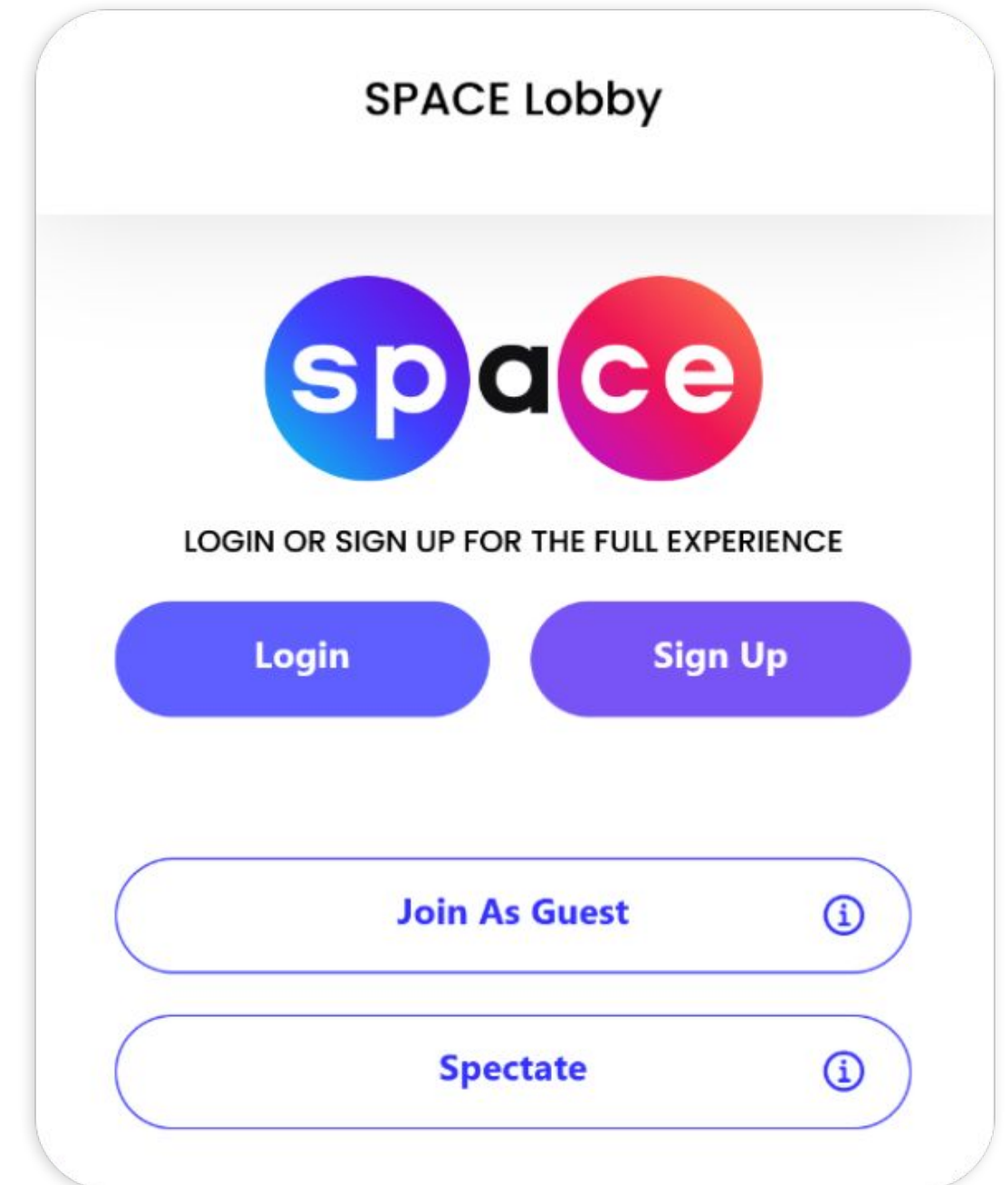
About The Client

SpaceMetaverse is an innovative Canadian startup revolutionizing the digital NFT art and commerce scene. Their mission is to empower users with robust builder tools, enabling them to effortlessly design and bring to life immersive commerce spaces, free from any limitations. With their help, users can purchase top-notch products, immersing in a one-of-a-kind shopping adventure as if they were strolling through a luxurious mall. They can engage with others in dynamic spaces, fostering new connections and sparking exciting conversations

The Challenge

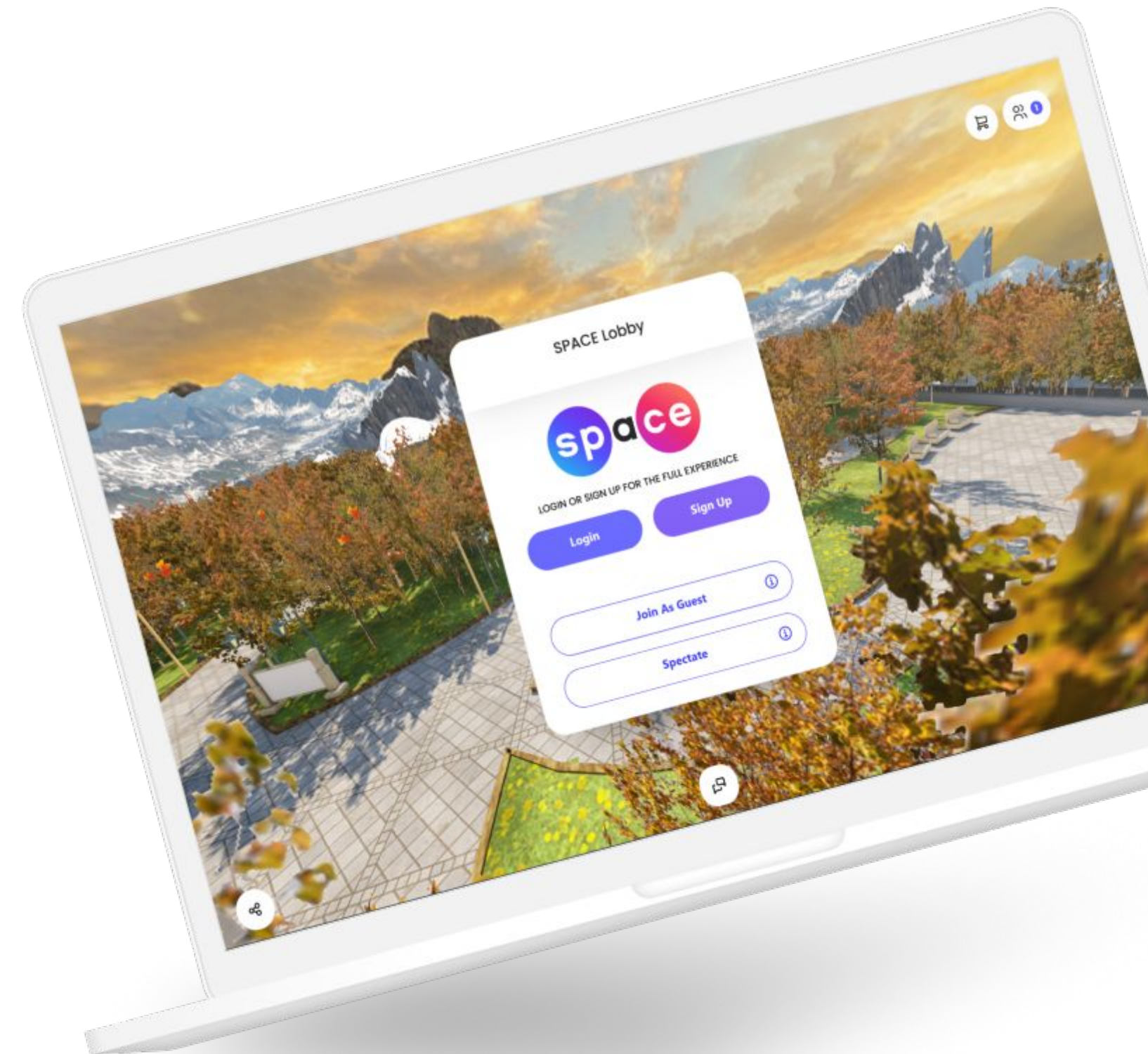
The Client encountered numerous challenges in their software development project, primarily related to a dissatisfactory experience with their previous vendor and a complex product structure. Due to an unstable working environment, scarce resources in local markets, and the complexity of the product, SpaceMetaverse ended up with a double increase in backlog and accumulation of technical debt. This is mainly due to the product being composed of 8 subproducts. As a result, there was a high risk of being late with the release and potentially failing to secure further investment.

Our main objective is to address the backlog, introduce new features, enhance system stability, and redesign the solution architecture for better maintainability and scalability. Additionally, we had to resolve any integration issues with Instagram as per the Client's requirements.

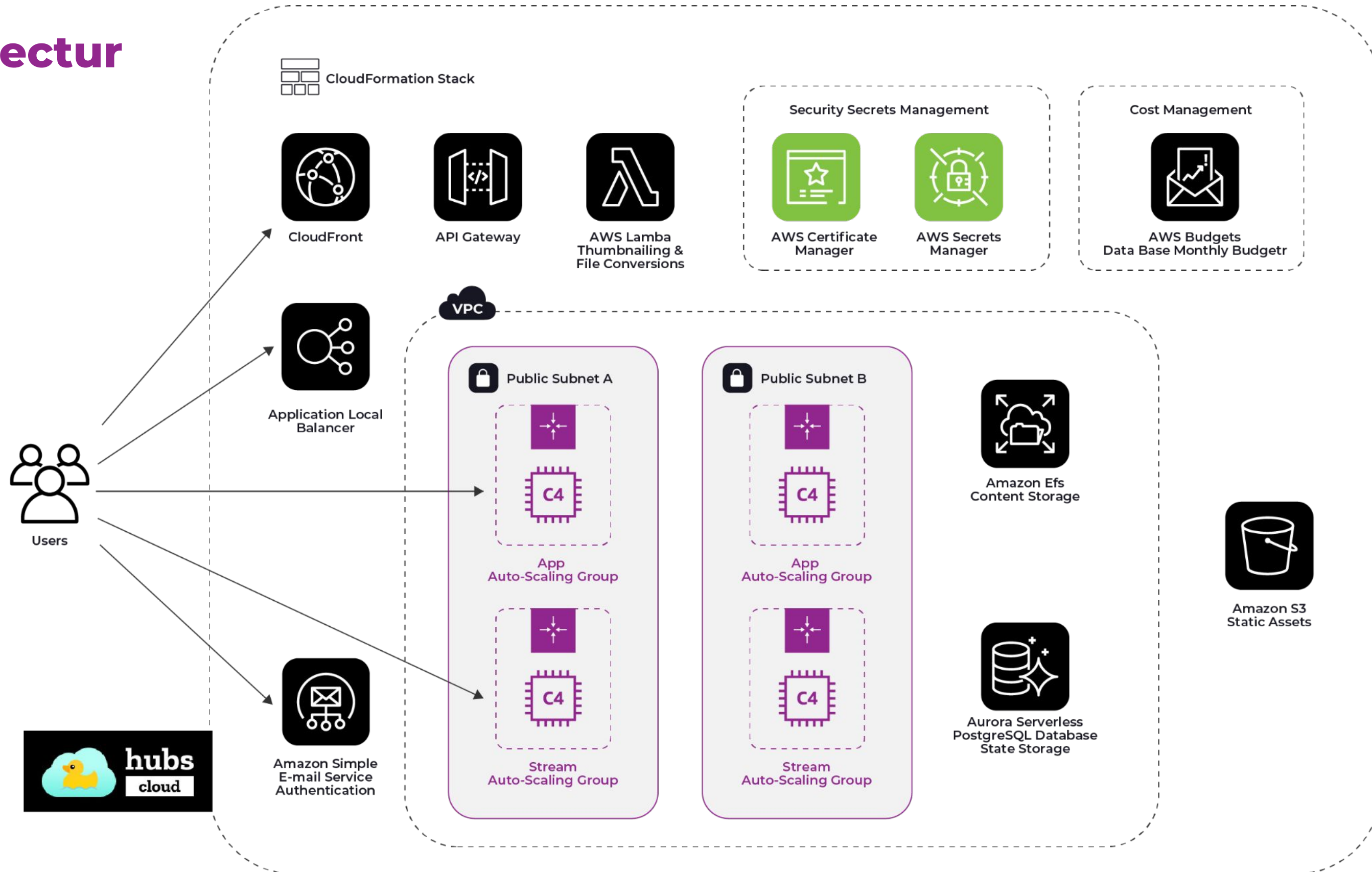


The Solution

Clover Dynamics eagerly embraced the challenges ahead with utmost enthusiasm and optimism. To start, our CTO and Delivery Director collaborated closely with the Client's internal team to facilitate a seamless knowledge transfer from the previous team. Following that, we extensively investigated the product ecosystem and optimized the backlog based on business priorities and technological opportunities. Concurrently, we bolstered our Client's team by bringing in three talented Engineers to ensure timely and successful completion of backlog features. We also revamped the architecture, separating services and improving scalability. Clover Dynamics diligently addressed critical bugs and introduced new features to enhance the platform.



Architecture

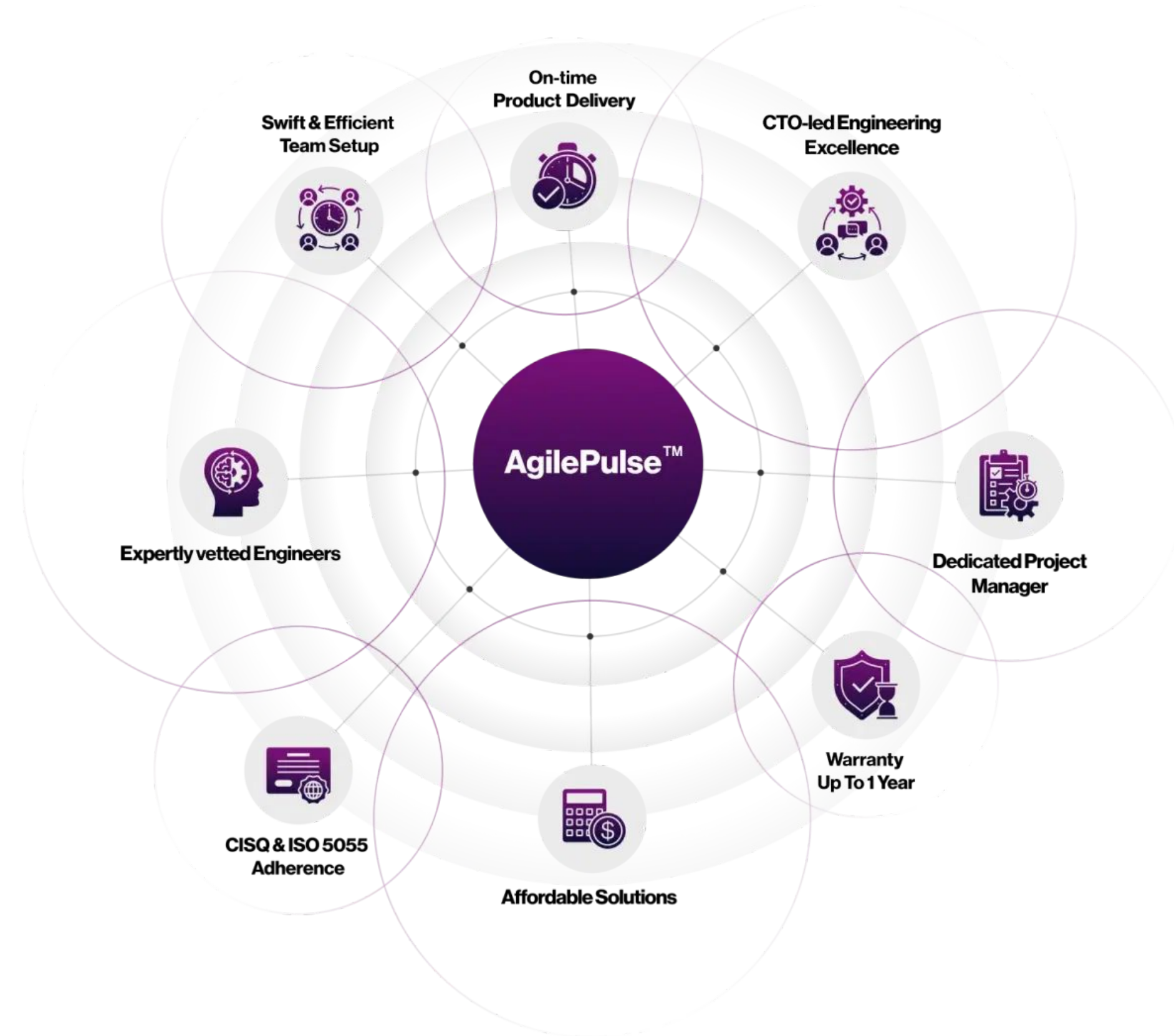


Benefits of Clover Dynamics

At Clover Dynamics, we believe in building long-term relationships with our clients through exceptional customer experience. We provide a full cycle of product development services & Team Extension, that go beyond coding and into the realm of delivering value. Our team of skilled professionals is dedicated to helping our clients achieve their business goals through innovative technology solutions and unparalleled customer experience.

Drive your project to success with CTO-led engineering excellence, ensuring that every aspect of your development is guided by top-tier expertise and precision. Our expertly-vetted engineers are selected through a rigorous process, guaranteeing that your team is composed of subject matter experts dedicated to delivering quality results. Benefit from continuous CTO oversight throughout your project, providing a layer of strategic insight and oversight that sets the standard for excellence.

Let's talk! →



The Features

Architecture re-design: the re-design has allowed us to improve the platform's overall performance and functionality, making it more responsive and efficient.

Fixed metaverse in mobile-embedded browsers: this way, we ensure that users can easily access and utilize the platform on the go, regardless of their device type.

Crypto payment integrations: We have also integrated Crypto payment options such as Ethereum and Metamask. This integration will enable our users to conduct secure and reliable transactions on the platform, providing a seamless and convenient experience for buyers and sellers.

Stabilized application availability: the SpaceMetaverse platform is now more dependable and accessible. This means that users can enjoy uninterrupted usage, even during high-traffic periods when demand for the platform may be at its highest.

Redesigned UI/UX: we reshaped the product website's pages and 3D views to improve the user experience for Sellers (users who use the system to sell their products). This redesign has resulted in a more intuitive interface, streamlined navigation, and improved visual design, all contributing to an improved user experience that is more enjoyable and effective.



The Result

1 Enhanced In-house Team
Clover Dynamics has recruited and assigned three highly skilled senior software engineers with specialized expertise in record time. The first expert was hired within two weeks, while the remaining two were brought on board within four weeks. This rapid expansion of the Client's team has played a crucial role in ensuring a timely release of its project.

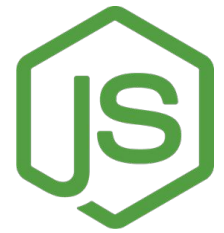
2 Revamped Server Infrastructure
We significantly improved the server infrastructure by eliminating the Biome build framework and transitioning to Docker. This decision has enhanced the overall system maintainability and empowered the Client with a more efficient scaling mechanism.

3 Elevated Product Websites and Virtual Stores
The update includes significant enhancements to the Client's product website and virtual store. By implementing cutting-edge technologies and refining the user experience, we have greatly elevated the Seller experience - a key highlight of the release.

4 Crypto Payment Integration
With the integration of Ethereum and Metamask, we have completely reimaged the crypto payment flow. Additionally, the website pages and 3D views have undergone a complete redesign, further enhancing the user experience for the SpaceMetaverse Sellers.



Technologies



NodeJS



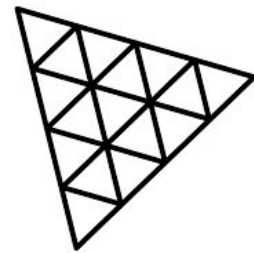
Elixir



Phoenix



React



ThreeJS



WebRTC



Mozilla Hubs

Services

- Team Extension
- Web Development

Industries

- E-commerce Tech
- FinTech
- Metaverse

Team

- Team lead / JS FullStack
- Senior React/ThreeJS Frontend Engineer
- Senior JS FullStack Engineer
- Senior Elixir/Phoenix Engineer



Feel free to visit our [Website](#), [Portfolio](#), [LinkedIn](#) and [Clutch](#), pages.

We at Clover Dynamics are not just committed to delivering exceptional software solutions, we're also dedicated to fostering lasting partnerships. Looking forward for the opportunity to work together and create something truly remarkable



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