

Accelerating the building of a Crypto Platform

Ziglu is poised to become the first financial services crypto firm to catapult crypto into the financial services mainstream. In this customer story, we reveal how Zuhlke has been privileged to support this disruptive new start-up.

Building a full crypto firm in the cloud

Ziglu is the financial services firm for 2020. Built in the cloud, bringing all the amazing features of a challenger bank, but this time aimed at the 99% of people who don't hold crypto. Ziglu will create one truly complete current account that solves the significant barriers and uncertainties associated with both cryptocurrency and overinflated foreign exchange.

Complex integrations

Ziglu is breaking new ground in their development and use of new technologies. Building a financial service firm which integrates multiple crypto exchanges, FX providers, payment providers, cards, KYC and AML, as well as working with different custodian banks, is highly challenging and complex. Zuhlke was able to bring expertise and support in three vital areas:

- Spearhead the integration with Form3
- Develop an intelligent testing framework
- Bring mature practices and financial services expertise to a young team

Spearheading the integration with multiple FX providers and crypto exchanges

The integration with Form3 - Ziglu's chosen payment service provider – is a critical functionality, enabling a commercially viable application that can generate revenue by allowing a customer to fund their Ziglu account, trade cryptocurrencies and extract money back into their originated bank account. Zuhlke were able to spearhead and lead that engagement:

- Zuhlke were excited to be given sole responsibility for the integration to Form3 to facilitate the money in and out and integrate with Ziglu's core ledger
- The Zuhlke team tapped into their financial services experience to quickly navigate the challenges of a complex payments process and develop solutions
- Zuhlke helped Ziglu implement a brand-new security approach from Form3. Acting as a testbed for Form3 to debug some of their system during development
- Ziglu consciously seek to push the boundaries so they can offer better capabilities. The Form3 integration process took longer but has enabled Ziglu to offer a far greater level of security than a standard API, access token and HTTPS REST API service. Great news for the Ziglu customer!

Industry

FinTech

Location

UK

Size

Start-up

Benefits and Results

- ✓ Completed a number of integrations in a short timeframe
- ✓ Identified scope of testing to derive maximum business value
- ✓ Improving efficiency through agile best practices

“Zuhlke know banking platforms”

Mark Hipperson, CEO Ziglu

“Zuhlke brought the technical expertise to do the implementation.”

Hussein Badakhchani, CTO of Ziglu

Accelerating the building of a Crypto Platform

Building an intelligent testing framework

Testing a sophisticated system with lots of components meant Ziglu needed a robust end-to-end testing framework. Zuhlke was entrusted to 'think and develop' the best possible framework. A unique and successful approach was evolved, which now allows Ziglu to confidently test scenarios across the multiple complex layers;

- A highly efficient process of testing through the Model-View-ViewModel (MVVM) tier, libraries within the application was developed. This exercises the API surface by default and by virtue the entire depth of the stack. All external partners, the exchanges and databases all get tested based on the behaviour of the system
- As the test scenarios become increasingly elaborate – with multi-currency, payments and cards – even more tests will be performed
- The same tests can be used in different environments for different purposes
- Loads will be generated for performance tuning, load testing and destruction testing. In production, Ziglu will be able to monitor the reliability of the system and become alerted to any part of the system that's down
- The testing supports Zulu's quest for continuous compliance capability - a distinguishing feature for a regulated crypto financial services firm

Maturing development practices and expertise

Ziglu, by its very nature, are pushing technological boundaries. Unsurprisingly, their team are bright, innovative and tenacious, but Zuhlke were able to bring complementary experience to the table:

- Zuhlke shared their extensive knowledge of Agile. Allowing the Ziglu team to mature and evolve new best practices to improve how they worked
- Zuhlke have supported diverse financial services clients and offered this experience to help the Ziglu team circumnavigate specific challenges and find solutions as they cropped up
- Zuhlke provided knowledge around industrialisation. Offering advice on making services resilient, anticipating problems and avoiding service disruption for the Ziglu customer

Learning and working in harmony

Successful client engagements are based on close and harmonious working relationships and open and honest knowledge share. The Zuhlke team were thrilled to have the opportunity to be involved in the project. Zuhlke and the Ziglu team worked as an integrated unit to hit essential milestones and edge this much anticipated and pioneering new crypto platform closer to its Beta launch.



High Performing
Cross Functional Teams



API & Microservice
Architecture



Digital Cloud Platforms
and DevOps

“Zuhlke's ability to be able to think things through in a very logical manner have really helped the Ziglu team”.

Mark Hipperson, CEO of Ziglu

“Zuhlke have been very proactive in refining our Agile processes and making us more efficient.”

Hussein Badakhchani, CTO of Ziglu