Klaytn Champ

Growing the blockchain ecosystem on Klaytn by taking a bottom-up strategy (from building-to-consuming). Our blockchain-based solution is aimed to provide a better & more entertaining onboarding and certification process for Klaytn developers. By challenging developers with tasks, activities & trivia, we are educating developers with Klaytn technical documentation & implementation. With our tier-based gamification scoring system with incentives, learning how to utilize and develop with Klaytn is fun and rewarding.

WHY KLAYTN CHAMP?

Unique selling propositions

Onboard more Klaytn Developers

Make the onboarding process fun for Business and Softweare developers more fun and easy

Reward people that really understand Klaytn and all its features (Knowledge Airdrops)

Create more institutional adoption by training inhouse developer teams at Klaytn partners

Description	**Our blockchain-based solution is aimed to provide a better & more entertaining onboarding process for Klaytn developers.**
Goal	**Growing the Blockchain ecosystem on Klaytn Platform. By challenging developers & users with tasks, activities & trivia, we are educating users with technical documentation & implementation. With our tier-based gamification scoring system with incentives, learning how to utilize Klaytn is fun and rewarding.**
Github	**https://github.com/blockdevsasia/klaytn-champ**
Smart Contract	**0x745d6af8643C9b37f78Fd762255f9c0A81650707**
Demo Video	**https://drive.google.com/file/d/1_1aXD5yda1JMZFNLPKzhZvO6syK3-ltq/view?usp=sharing**
Live Demo	**http://klaytn.champ.blockdevs.asia**
Landing page	**https://www.blockdevs.asia/klaytn-champ**
Pitch Deck	**https://github.com/blockdevsasia/klaytn-champ/blob/master/media/Klaytn%20Champ%20-%20Pitchdeck%20-%20Final%20version.pdf**
Technology	● **Webapp: Quasar (https://quasar.dev/)** ● **Server: ExpressJS (https://expressjs.com/)** ● **DB/Auth: Firebase (https://firebase.google.com/)** ● **Blockchain: Klaytn (https://www.klaytn.com/)**

Problems we are solving

Blockchain technology has just recently arrived and the development demand is growing rapidly. However, despite the rapid growth there's a lack of skilled blockchain developers. Our solution is a two-sided solution, as we make the technical documentation & implementation process more fun and rewarding with blockchain verification of incentives awards. By developing an tier-based onboarding flow with tasks, activities & trivia, Klaytn Champ will check answers & actions with a direct feedback loop on the blockchain and rewards if they are correct. This will make it easier for developers and indirectly will attract more developers to develop with blockchain on this blockchain-based solution.

With our solution we therefore:

1) Make the onboarding flow of Klaytn more fun
2) Verify incentives with the blockchain (release rewards)
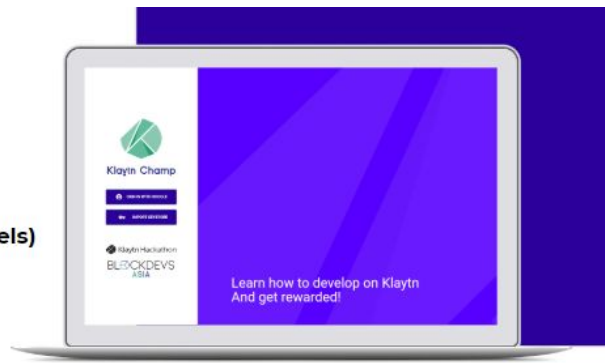**3)** Attract more developers to use Klaytn

Features

Unique login
Special ID per user

Tier-based challenges (levels)
Rewards accordingly to the level of the developer

Blockchain verification
Using blockchain technology to verify completion of assignments

Rewards & ranking
Earn more rewards while you are completing challenges & rank higher

Certification
Becoming a certified Klaytn developer will give you more acknowledgement.

Leaderboards
Compete to be the best developer of all-time.

To simplify the concept you can see Klaytn Champ as an interactive exam, where you get rewarded with tokens after providing the right answer.

To utilize smart contract in the most effective way, we will use smart contracts to determine the tiers, level progression and rewards. Developers can build a reputation based on there Klaytn address, and can receive acknowledgement for the on the leaderboard.

Expected Outcome & Benefits
By educating & rewarding developers, there will be an increase of the amount of developers that will have a better fundamental understanding of the Klaytn IT infrastructure & benefits. By following a positive cumulative model, more and more developers will start developing on Klaytn and therefore the reach of Klaytn will progressively grow.

The effects of starting this unique form of blockchain mixed with education, we will expect that the positive outcomes for the users will be (not limited):
1. Increasing knowledge level
2. Fun way to learn
3. Earn rewards
4. Get certified
5. Get the ability to provide courses to enterpries

Potential for mass adoption
By being the first solution in this segment and solving the problems from the developers and the enterprises at the same time, it has an incredible potential. Imagine that every time you start developing on a new token, you need to learn again how this token works. With Klaytn Champ it will become easier to learn new technologies and even get rewarded. For the adoption phase of this tool, we predict a high demand with a cumulative growth, since we will build out a referral feature and users can earn high rewards. Even right now the education scene in the blockchain space is expanding rapidly. Students are actually willing to pay to become certified. With Klaytn Champ, they get rewarded while becoming certified.

Social Impact
In developing countries such as the Philippines, less fortunate people have limited to no access to higher forms of education. In these countries it is really hard to climb from the bottom to the top. As an NGO, BlockDevs Asia is looking out for the community. It doesn't matter where you come from or who you are, as long as you want to learn. With developing tools such as Klaytn Champ, we will make sure that everyone has access to the right educational materials that will broaden their (Blockchain) knowledge. We lower the bar and create an all-access entry level for anyone who wants to learn about developing with blockchain technology.

Business Model

Klaytn Champ revolutionizes 3 areas:
1. Education becomes more effective and fun by supercharging existing courseware with live gamified tests.
2. Certification becomes more reliable by making tests and the resulting certificate publicly verifiable.
3. New technical Platforms can attract more developers by offering rewards for getting onboarded and passing tests.

Our bottom-up strategy has an indirect business model, by helping developers using & learning to understand Klaytn in a better way. It will open up the gateway to more Klaytn-related applications & concepts. If there will be a growth in the amount of Klaytn apps, there will be a larger transaction flow and therefore Klaytn will indirectly benefit from this in a much larger way, than merely one "popular application". By taking a platform fee %, the revenue generated from this tool will increase over time.

Additional revenue model

As Blockdevs Asia, we know what developers want and therefore we aim on to onboard & train more developers for the Klaytn ecosystem in a fun and rewarding way. As additional we have the ambition to develop an enterprise onboarding course and prepare developers for enterprise clients that will use Klaytn for their IT infrastructure. We've designed a token model that will reward users only if they have proven that they have enough knowledge and understanding of Klaytn and therefore have proven to be a credible Klaytn developer. Once developers are certified, they can offer premium & enterprise courses to companies or even get hired as Klaytn preferred developer.
By attracting and engaging more developers, this is a unique bottom-up strategy to expand existing business models.

Technical Aspects

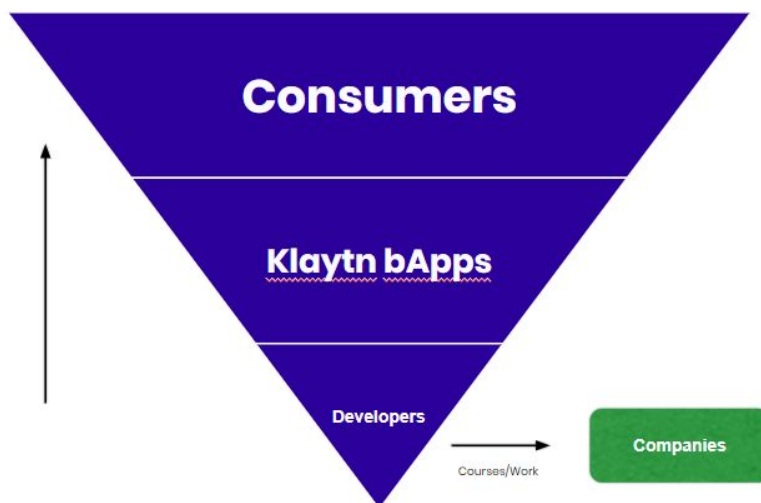Below you can find the technical architecture diagram flow. The technologies were chosen based on available skills within the team and ease of development.
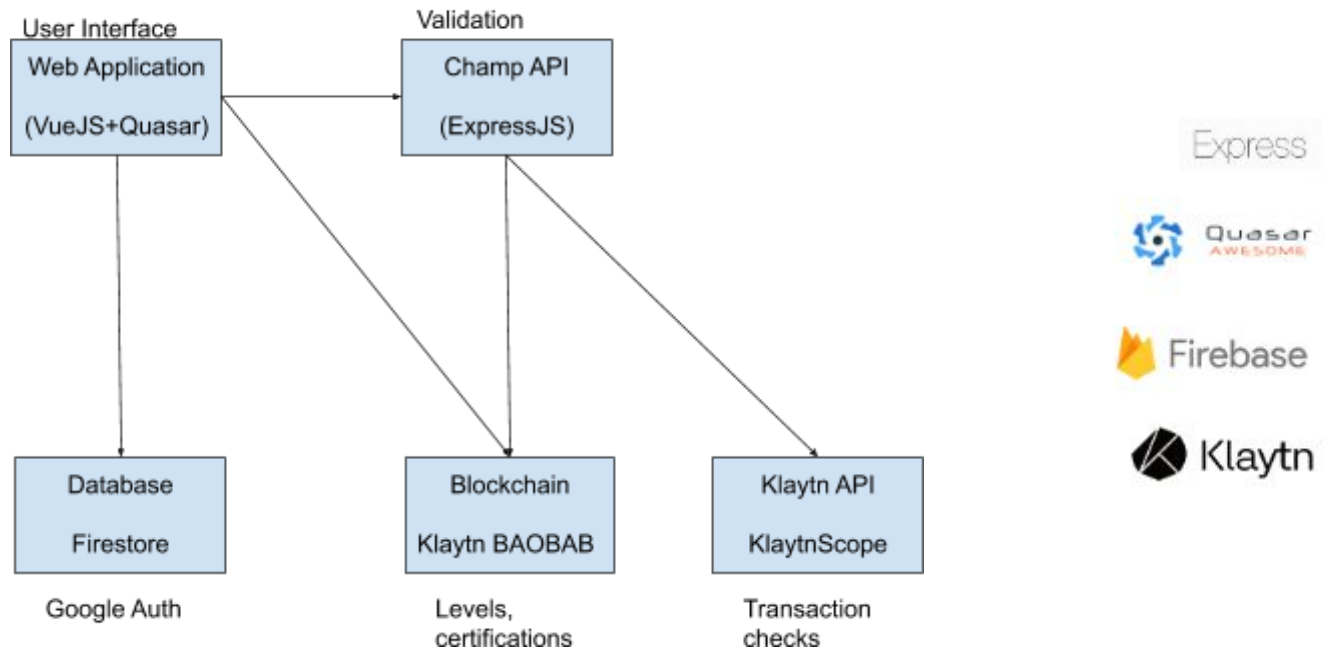
Why Blockchain?

We utilize blockchain technology for Klaytn Champ because:

1. Blockchain is the best tool for storing certifications that need to be publicly verifiable, due to:
   a. Permanency/immutability of the data
   b. Public accessibility
   c. Availability of nodes
2. Blockchain is essential for coding and validating tests, as there is an audit trail for every action taken.

Are Baobab platform/Klaytn tools/KLAY well used/applied to the project?

Klaytn tools are an integral part of the Klaytn Champ experience and are fully supported. In Klaytn Champ we used all the different Klaytn tools available. In future sprints we are ready to implement ERC721 tokens and disbursement of KLAY, the architecture is ready for them.

● Klaytn IDE: Used for many of the tests, users will perform increasingly complex tasks.
● KlaytnScope: Used by users to retrieve TxHash, by the Champ API to check solutions.
● KlaytnWallet: Used by the users to maintain their accounts.
● CaverJS: Used in both the WebApp and the API for many tasks.

Thanks for reading.

We believe that the success of blockchain technology starts at his core... **development, development, development** .

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