

revel8, Technical Challenge - Full Stack Engineer

Welcome to the technical challenge at revel8. With this challenge we want to learn more about your coding and problem solving skills. We are aware that your time is valuable. Therefore we ask you to not spend more than 3 hours on this challenge. If you cannot finish the challenge, please add your ideas as comments. Your solution is the basis for a technical discussion, during the interview. In order to give us the chance to properly prepare the discussion, please hand in the challenge a day before the interview.

Fast & Reckless Bank

The Fast & Reckless Bank, asks you to implement their core business. Please implement a Java Spring Boot server, which supports the following operations:

- Create Account
- Deposit Money
- Withdraw Money
- Transfer Money from one account to another

The account data should be stored in-memory for performance reasons and because the Fast & Reckless Bank doesn't care about persistence and doesn't want to operate a database. Furthermore, for storing the data in-memory, no third party library should be used. While persistence is not important to the bank, correctness and performance are.

The Bank is required to store for each account the last 50 outgoing transfers. Again this should be done purely in-memory, but in a fast and memory efficient manner.

The bank also wants to have a simple react-frontend, which gives an overview over the accounts, and provides the deposit, withdraw and transfer money functionality. User authentication and authorization is not required.

In case you have any questions about the challenge, please do not hesitate to reach out to us.