ShiftBank, We are a fintech company which provides a SaaS platform. We use Red Hat OpenShift to power our solution and enable enterprises to deliver world class financial products at a fraction of the cost of building it from scratch.

Our solution is designed to empower financial services with a scalable, secure and enterprise-grade SaaS platform which can easily scale up as the Indian economy grows. Our solution features two core layers: Payment Services and Data Services that can be integrated with Aadhaar for secure payment processing, and privacy compliant account management.

Our FinOps Cloud is a scalable, fully-managed, high-performance public cloud platform that enables financial services organizations to rapidly deliver applications and services to meet their unique business needs.

Objective

SaaS platforms built on top of Red Hat OpenShift to empower financial services. The solution can have two core layers Payment Services, core of this SaaS platform would be powering the platform to accept payments , transactions  and Data Services which would have privacy compliant integrations for customer data .

Recently we have seen patterns across our partner banks and end customers about asking insights into their bank statements. We have decided to offer actionable insights from a customer's bank statement about their income, expenditure and financial history and provide these as a feature to the end users.

You need to design/build a kubernetes Native Solution powered by OpenShift ,  which can be ported across any cloud provider and also can run in the private + public hybrid cloud pattern.

1. Track consumer data with consent this can include transaction data, investment data, Balance data , Insurance and Mutual Funds.
2. The uses should be then able to run any analyser modules using statements uploaded
3. The application should be containerized .

Submission Instructions:

You need to submit the following files.

A software design document mentioning the followings:

o Software Requirement Specifications,

o High level design with data flow and control flow diagrams,

o Detailed design with class diagrams and relations

o Bonus : If you can create a hybrid cloud patterns based on the lines of <https://hybrid-cloud-patterns.io/>

Test cases and test results with sample screenshots

\*  Bonus : If the teams can have a working prototype, you are free to choose any OpenSource application stack

A README file mentioning the following,

o Required packages to run the software

o Instructions to build the software

o Instructions to install the software

o Instructions to run the software