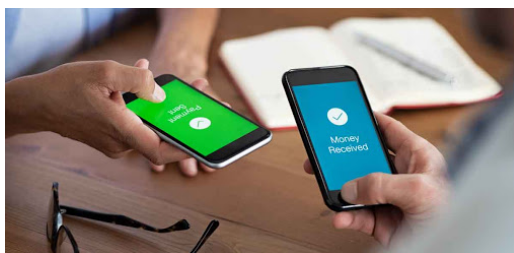


Financial web app reporting



Context

A young fintech-type start-up in the process of being created, which aims to democratize access to financial services, utilizing an electronic wallet in a very poorly banked environment. The product is intended for a population of approximately 5 million users. The electronic wallet will allow these users to access financial services provided by telephone operators in a more secure, fast, and pleasant manner. By design, the main objective of the product is to extend the use of these means of payment to B2C (business to customer) services by facilitating mobile payments to shops, restaurants, etc.

Based on the analysis and development of the PS6, the dashboard capabilities (merchant-web) should be integrated with a CI/CD pipeline on the Google cloud. Besides, a new web-based payment option should be analyzed and developed, using the existing infrastructure (Java, Spring).

Objectifs / Tasks

- Creation of a CI/CD pipeline based on the application developed during the previous project (PS6 : merchant-web) on Google Cloud, driving towards a Kubernetes orchestrated infrastructure
- Analyze the needs for a payment feature and develop the payment page
- Development of a prototype service in a pre-existing infrastructure (Java, Spring) to pass the order through a third-party REST API.
- Development of a user management system (creation, deletion, and modification) following the best practices

Méta-données

- **Projet confidentiel**
- Proposé par : Julien Torrent
- Filière(s) : Informatique, Télécommunications
- Langue : D, F, E
- Nombre maximum d'étudiant(s) : 1
- Professeur : Michael Mäder
- Co-superviseur(s) : Rudolf Scheurer
- Ce projet de bachelor est la suite d'un travail de semestre réalisée par le même étudiant

Mots clés : Web development, CI/CD, REST API, Finance, Security