**Bank-Web-App**

**Notification-Service**

Table of Contents

[1.INTRODUCTION 2](#_Toc204790325)

# 1.INTRODUCTION

**Notification Microservice**

The **Notification Microservice** is a centralized service responsible for handling **email delivery** across the application ecosystem. It is designed to work independently and can be integrated with various other microservices to send transactional, informational, or alert-based emails.

This microservice ensures:

* **Consistent email formatting**
* **Scalable and asynchronous communication**
* **Decoupled architecture** — services trigger email notifications without managing the sending logic

Common use cases include:

* Sending bank statements
* Account activity alerts
* Password reset or verification emails

The service exposes endpoints or message listeners (e.g., via Kafka) for integration with other services.

# 2. TECH STACK

|  |  |
| --- | --- |
| Technology | Version |
| JDK | 17 |
| Maven | 3.6.3 |
| Spring Boot | 3.5.3 |
| Kafka | 7.4.3 |
| Zookeeper | 7.4.3 |
| Zipkin | 2.23 |

**Email:** spring-boot-starter-mail

**Email Template Engine:** spring-boot-starter-thymeleaf