Employee API - Coding Challenge

Goal

Your goal is to implement an application that handles the employees of a company. The application must expose a REST API, so that other services can communicate with it easily.

Requirements

The application must be able to:

1. Create an employee with the following properties
   - Uuid (generated automatically)
   - E-mail
   - Full name (first and last name)
   - Birthday (format YYYY-MM-DD)
   - List of hobbies (for example, "soccer", "music", etc)
2. Get a list of all employees (response in JSON Array format)
3. Get a specific employee by uuid (response in JSON Object format)
4. Update an employee
5. Delete an employee
6. Whenever an employee is created, updated or deleted, an event related to this action must be pushed in some message broker (i.e, Kafka, RabbitMq, etc).

Restriction

The email field is unique, i.e. 2 employees cannot have the same email

Bonus

(+) Use Swagger (https://swagger.io) to expose the application endpoints
(+) Add authentication to access create, update and delete employee endpoints
(+) Run the database you've chosen to store the employee's data in a Docker container (instead of in-memory database)

Notes

- Include some unit and integration tests
- Commit all your development using Git and share your project on GitHub • Include a README file explaining how to build/run your application and any comments you think it is important