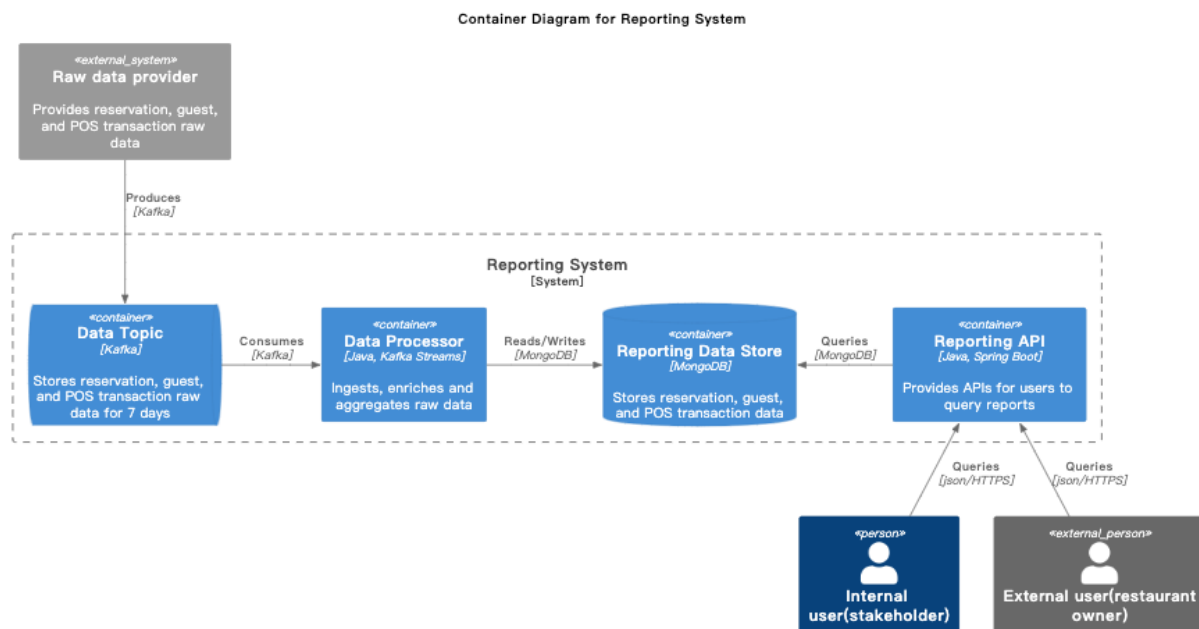


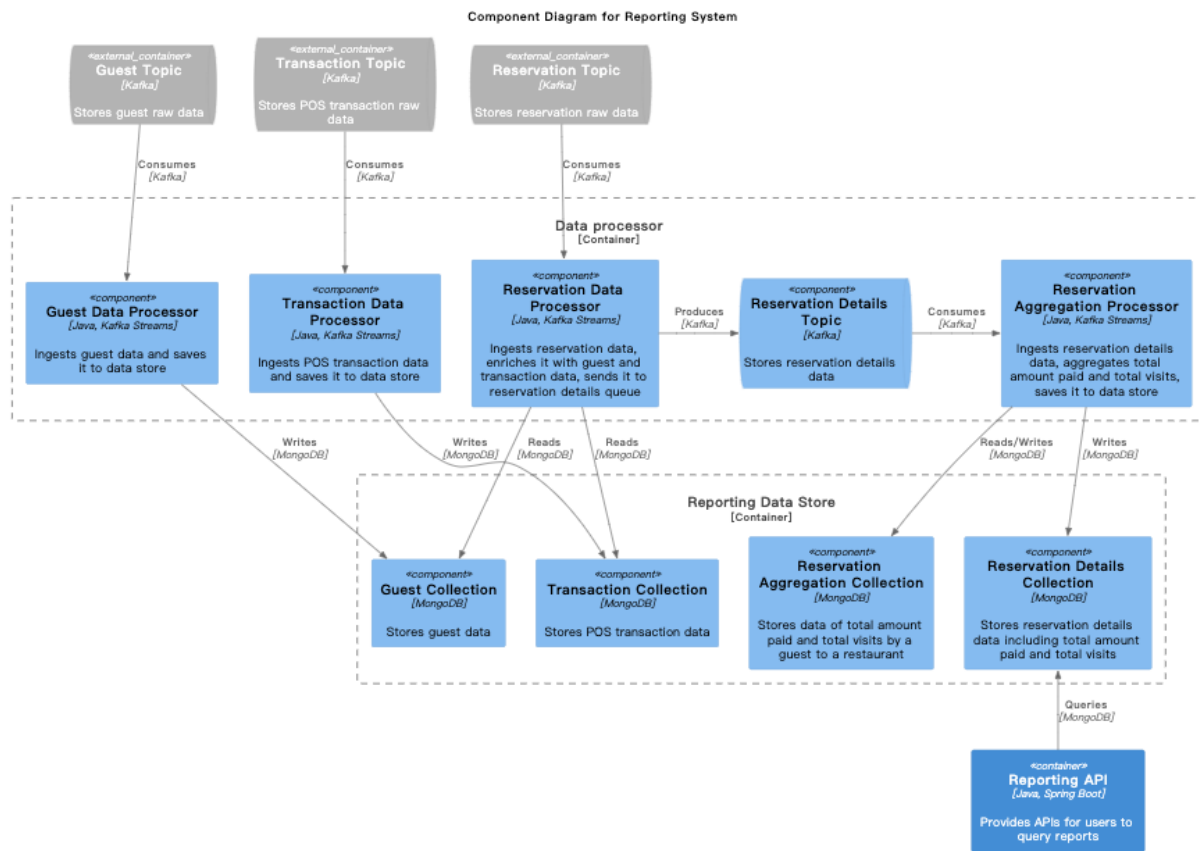
Reporting Architectural Design

- There are 3 diagrams:
 - Container Diagram : to show the components this Reporting system contains, and how it interacts with other systems, and users who access it.
 - Component Diagram : to show the components of this system in details
 - Deployment Diagram : to show how this system is deployed and its related infrastructure
- Data are ingested by Kafka Streams applications
- MongoDB is used to store data for a longer period of time
- Applications are deployed to Kubernetes for auto-scaling on demand
- Swagger document will be provided for frontend engineers to understand the APIs

- Container Diagram



- Component Diagram



- Deployment Diagram

