Modern Software Development

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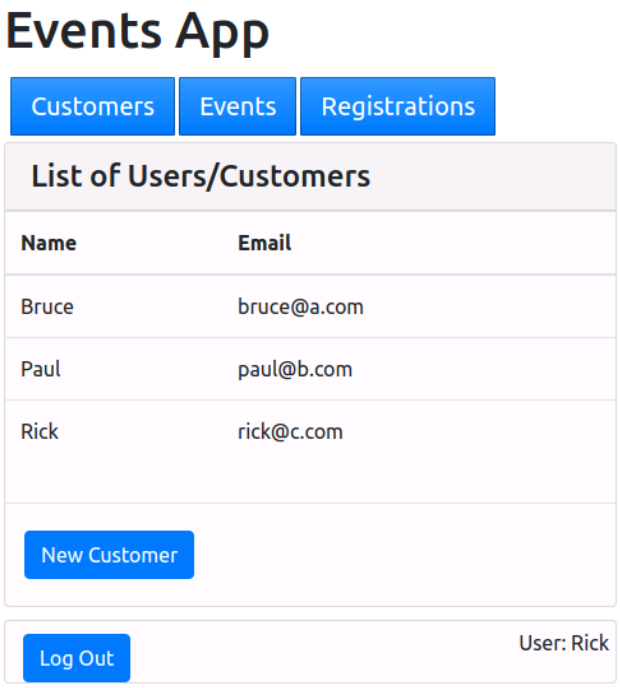
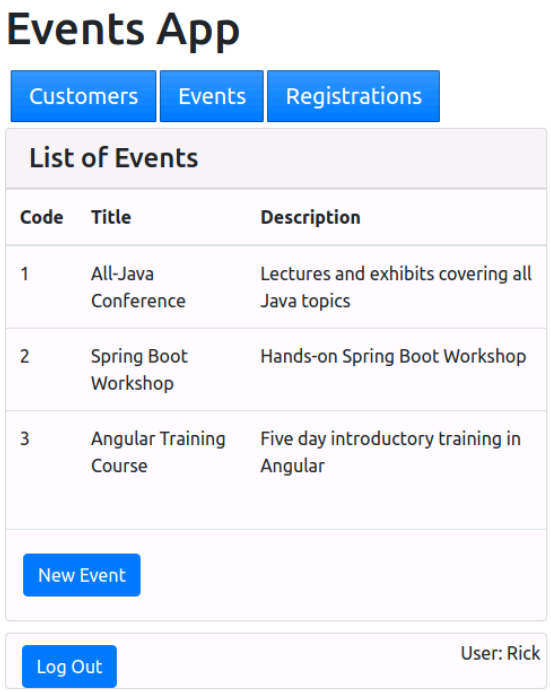
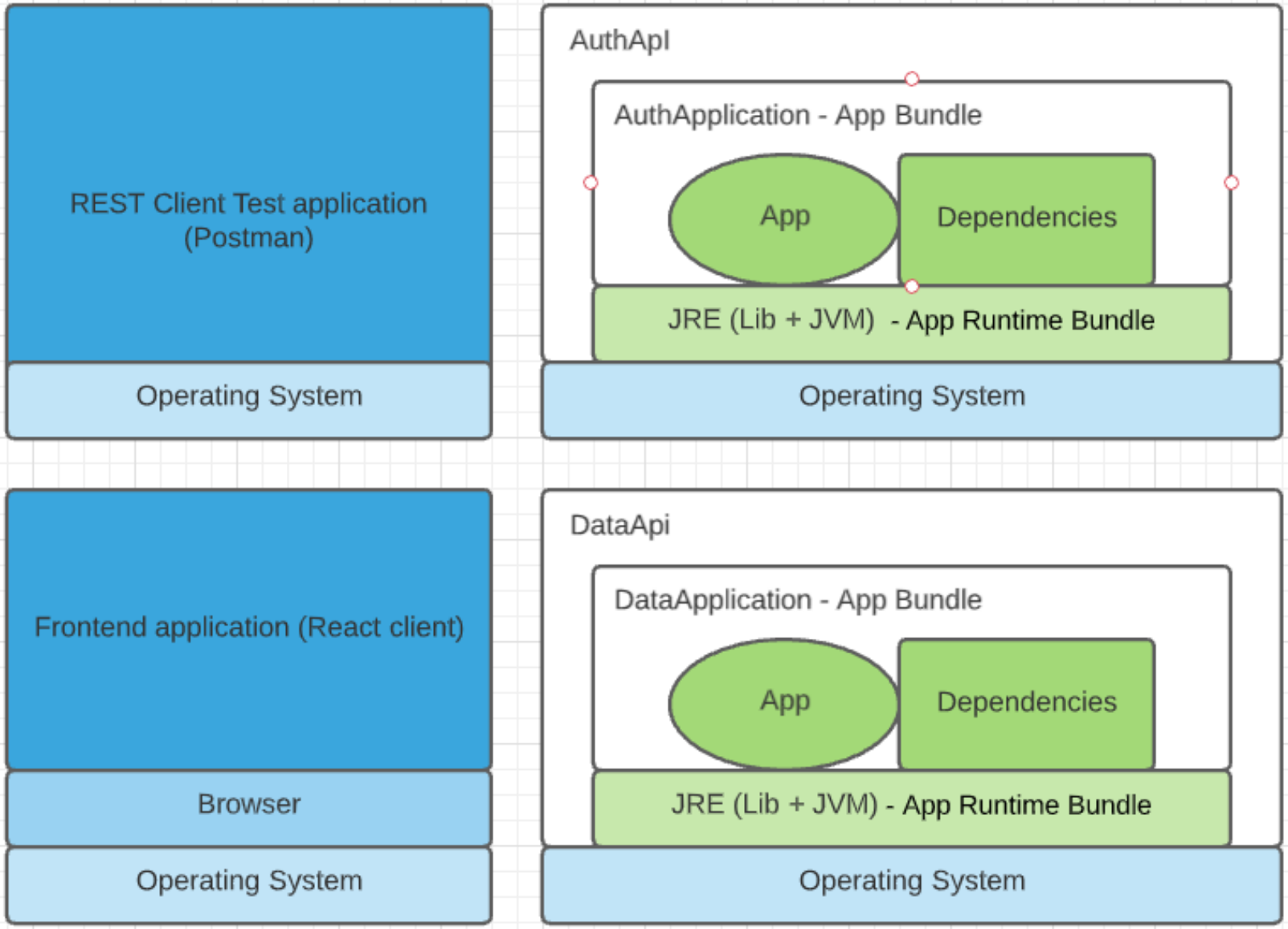




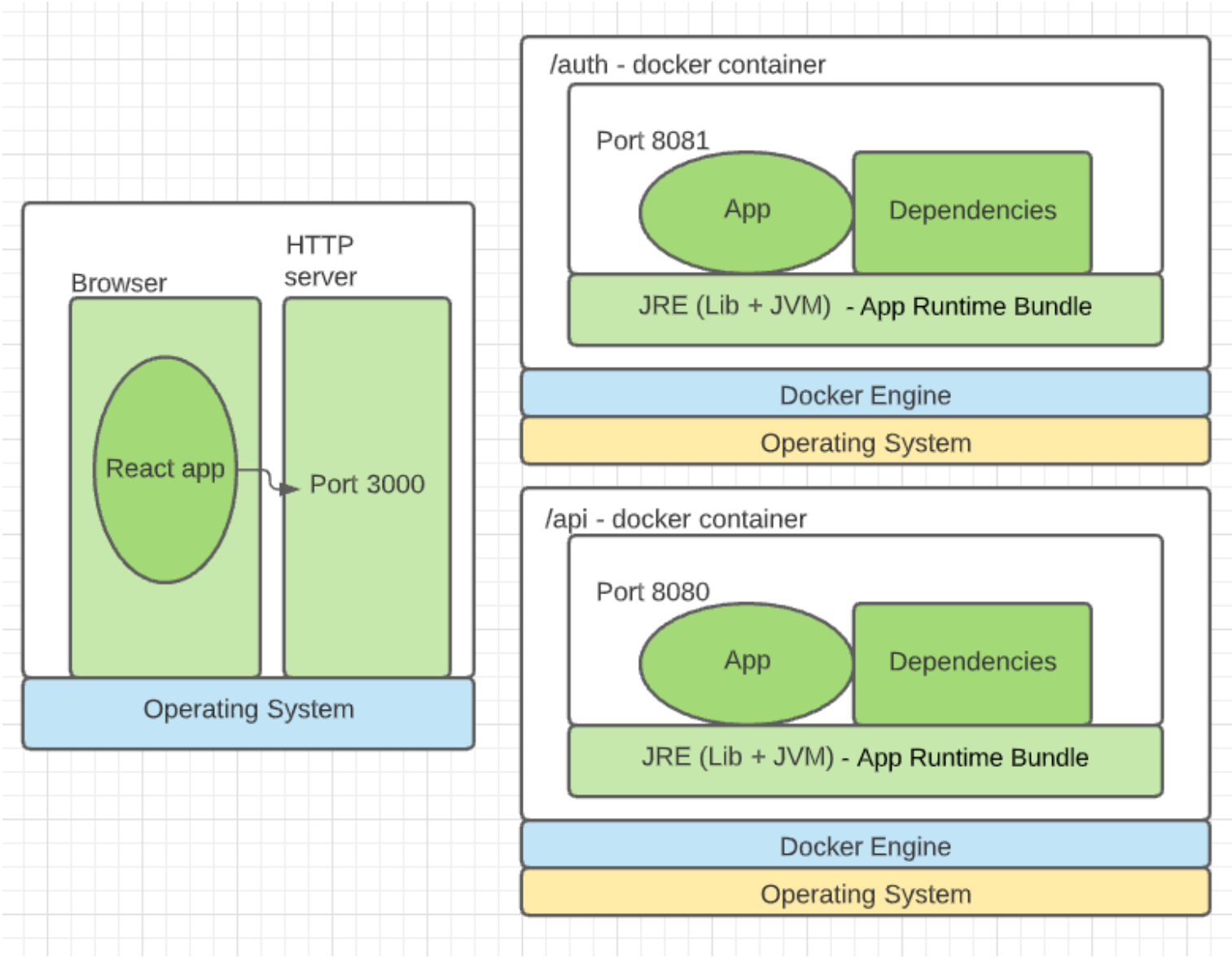
Event Registration

Tools/Software

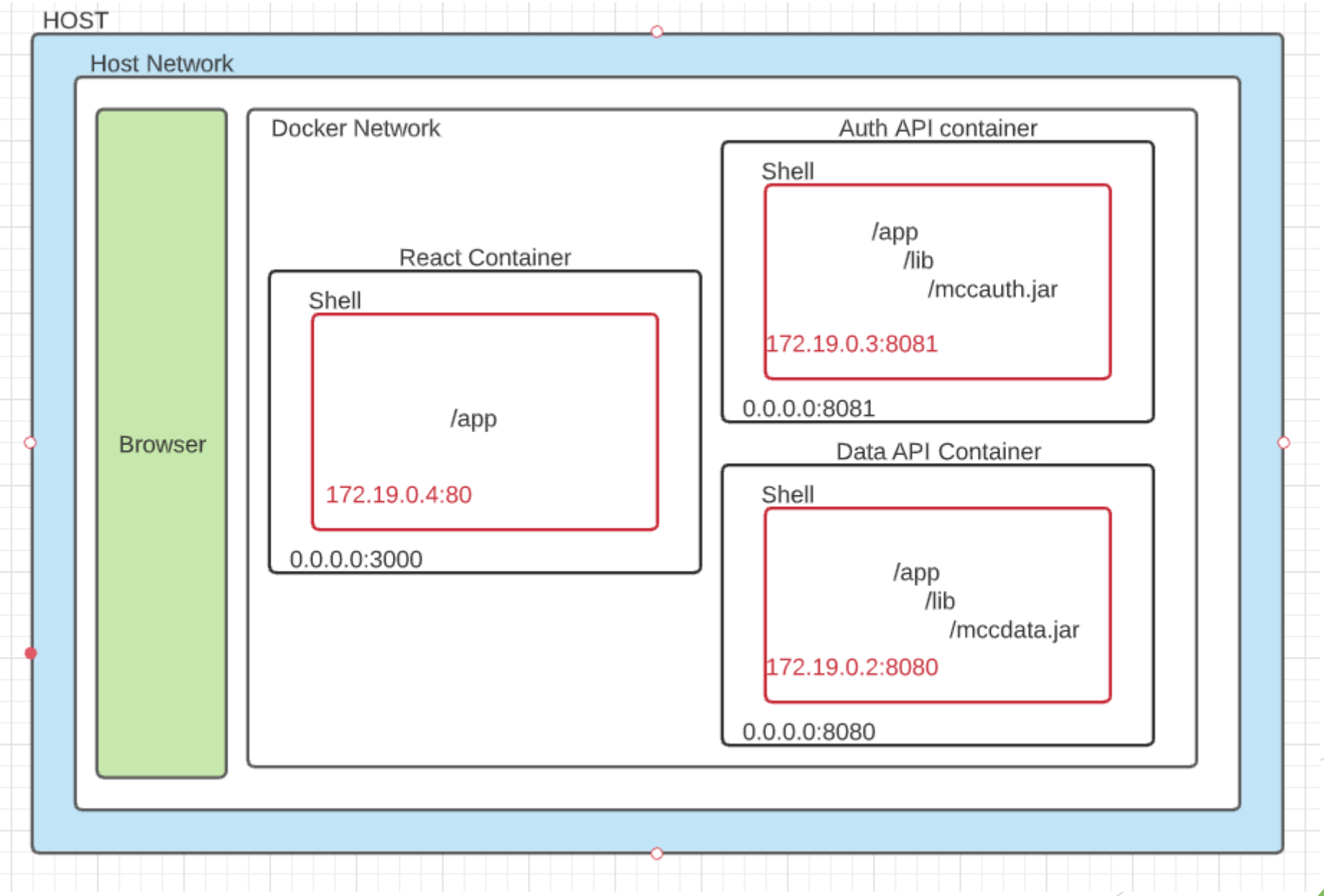
- React
- Java
- Spring
- Gradle
- Kubernetes
- Logging
- Prometheus
- Jaeger
- Jenkins



Architecture/Design


/auth - docker container
Port 8081
App
Dependencies
JRE (Lib + JVM) - App Runtime Bundle
Docker Engine
Operating System
HTTP
server
Browser
React app
Port 3000
Operating System
/api - docker container
Port 8080
App
Dependencies
JRE (Lib + JVM) - App Runtime Bundle
Docker Engine
Operating System

Architecture/Design



React Demo

Postman Demo

Kubernetes Demo

Prometheus Demo

Challenges

- Registration front-end issues
- Registration back-end issues
- Time

Future Work

- External Database
- Aesthetics of front-end/UI
- Jaeger
- Jenkins
- Security
- Input Validation

Questions?

- React
- Java
- Spring
- Gradle
- Kubernetes
- Logging
- Prometheus
- Jaeger
- Jenkins