API Based microservice communication

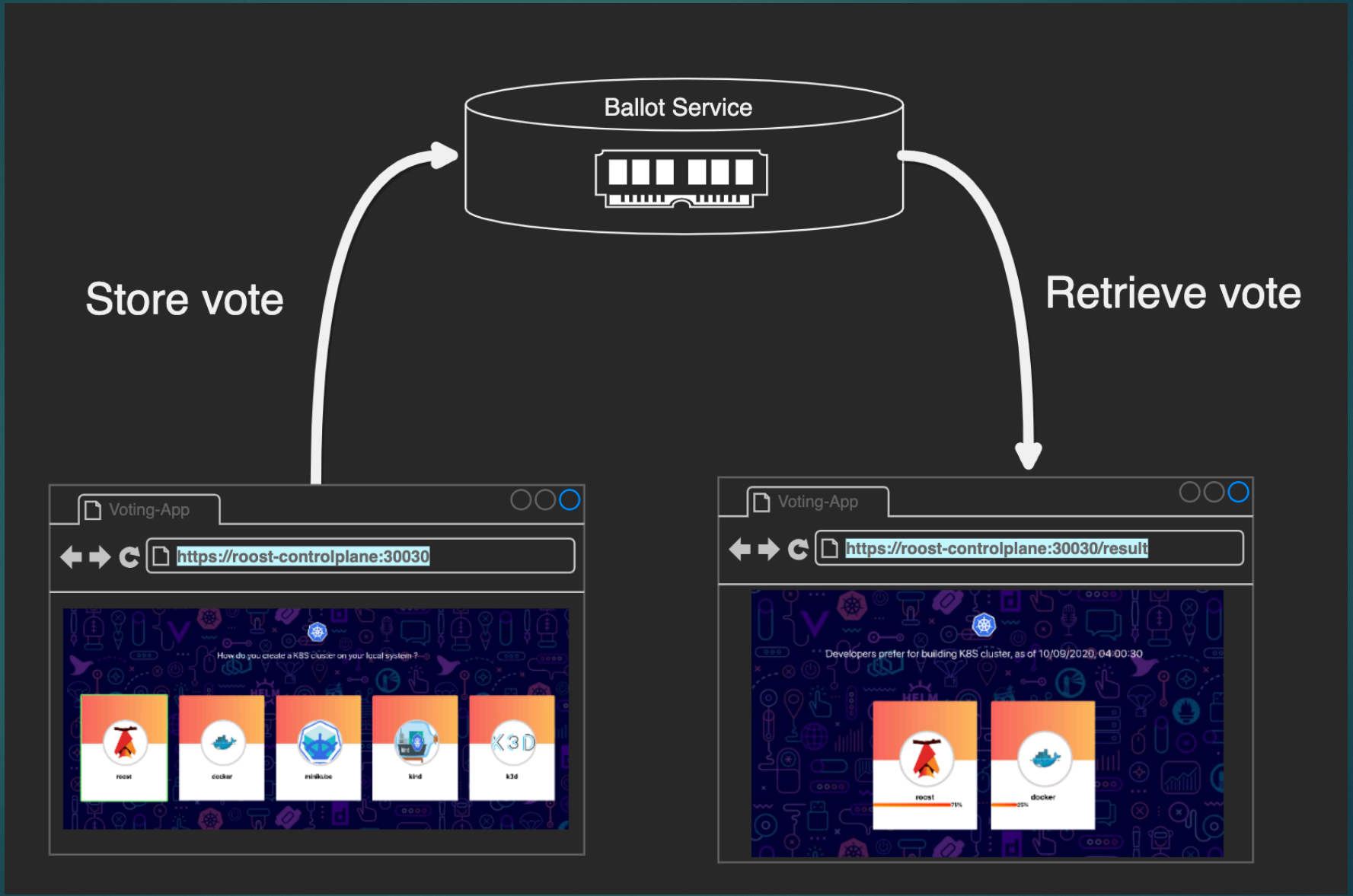
Theme: Collaborative Development of Microservices

Team: **Bob – Alice**

Project Info

- A Voting application to illustrate commonly used Kubernetes cluster
- Voting application consists of two micro-services i.e. **Voter** and **Ballot**.
- Microservices are developed, tested, build and deployable as independent running microservices by individual developer

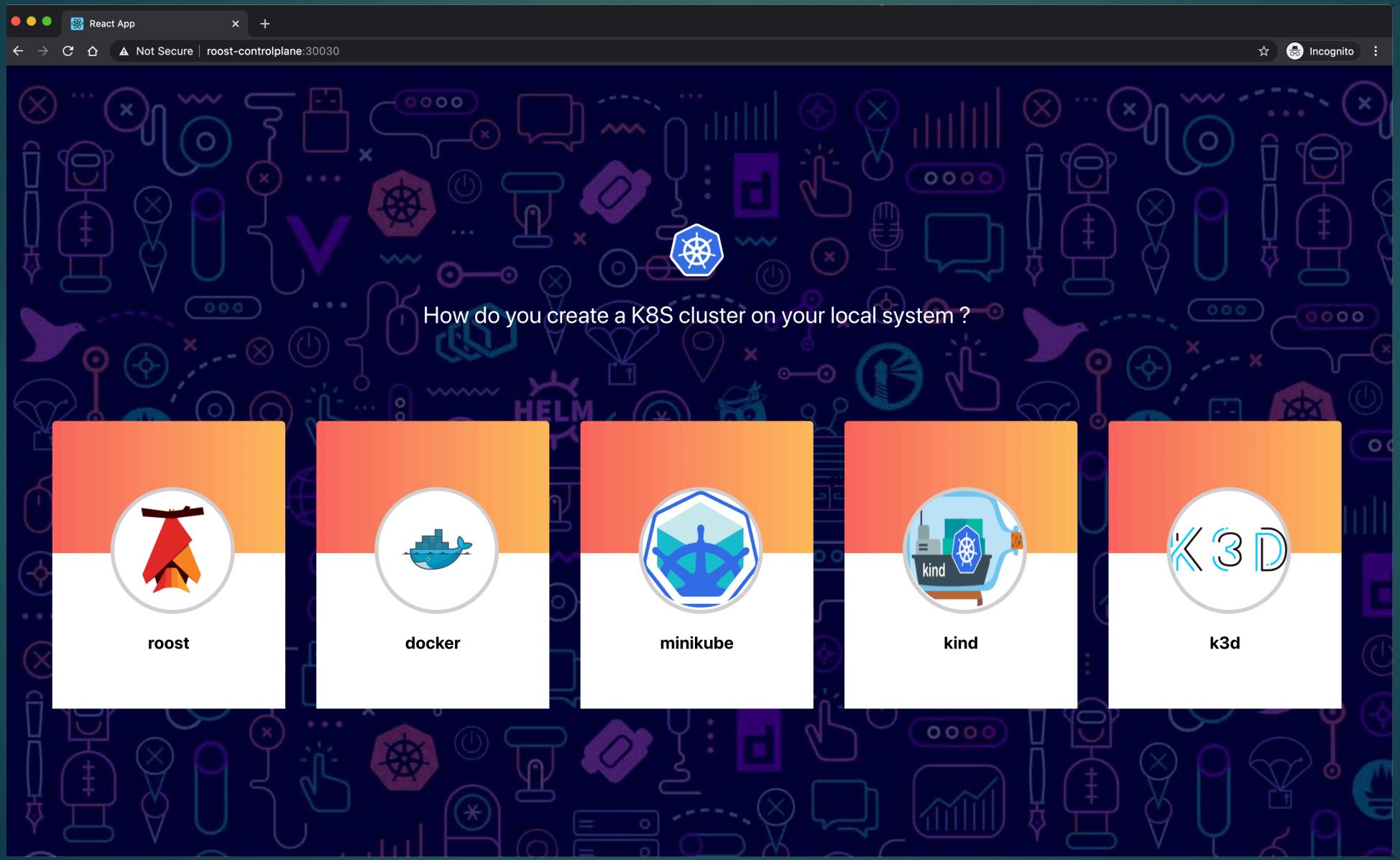
Architecture



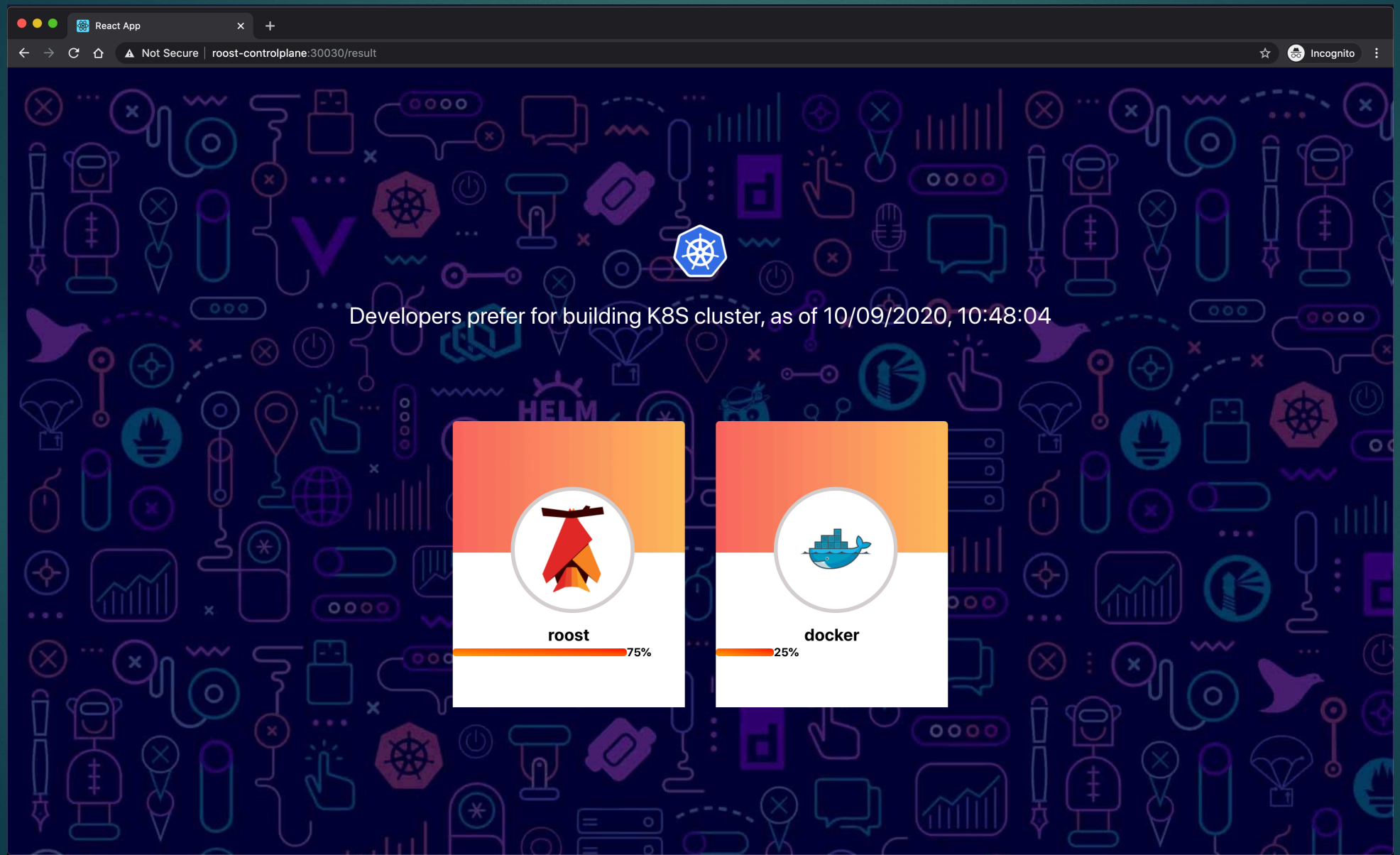
Voter Microservice (Developed by Alice)

- Voter microservice is a frontend service which provides an UI to facilitate user to vote their favorite K8S cluster.
- Voter service is dependent on ballot service to store the votes
- Programming Language: **React JS**

Voter Microservice (Voter page)



Voter Microservice (result page)



Ballot Microservice (Developed by Bob)

- Ballot microservice is a API driven backend service which stores votes received from frontend service, in-memory.
- Programming Language: **GoLang**

Service collaboration

- Alice developed and shared her frontend microservice on Bob's Roost Desktop
- Bob developed and deployed his backend API service on his Roost Desktop
- Bob can run fully functioning Voting application on his development machine.

Thank You !!