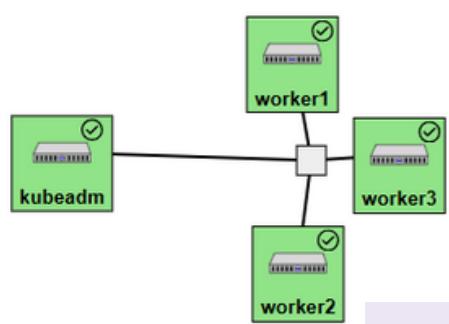


Infrastructure

```
main.tf
```

```
HCL
```

```
resource "cloudlab_portal_experiment" "cc2_cluster" {  
    name          = "CampusConnect"  
    wait_for_status = "ready"  
  
    # kubeadm + worker1..workerN  
    dynamic "rawpc" {  
        for_each = toset(concat(  
            ["kubeadm"],  
            [for i in range(var.num_workers) : "worker${i + 1}"]  
        ))  
        content {  
            name      = rawpc.key  
            hardware_type = var.hardware_type  
            aggregate   = var.aggregate_map[var.aggregate]  
            exclusive   = true  
            routable_ip = true  
        }  
    }  
  
    # LAN with all nodes  
    lan {  
        name = "lan0"  
  
        dynamic "interface" {  
            for_each = toset(concat(  
                ["kubeadm"],  
                [for i in range(var.num_workers) : "worker${i + 1}"]  
            ))  
            content {  
                node = interface.key  
            }  
        }  
    }  
}
```



CAMPUS CONNECT

EDWIN BISWAS, ALEX COOPER,
TYLER GEIGER, KADIN MATOTEK



Repository

OVERVIEW

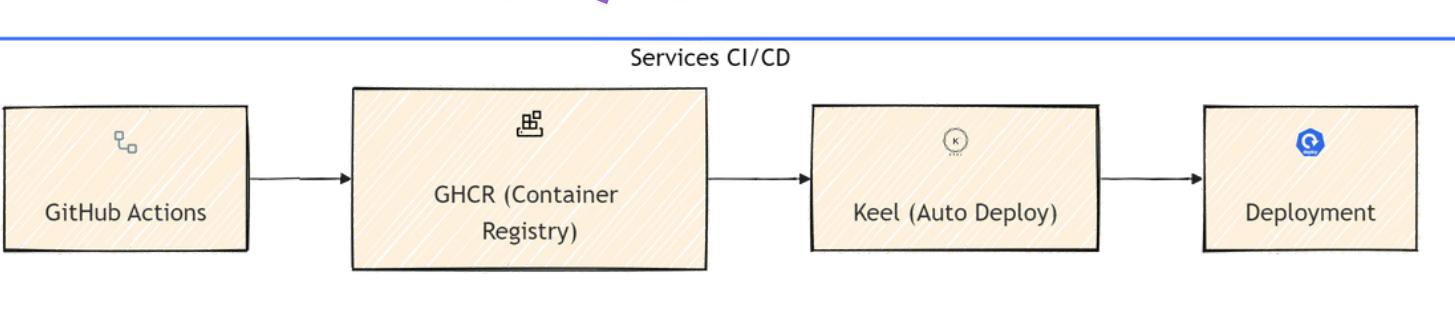
Campus Connect is an application tailored for university students. It allows them to connect, collaborate, share, and study together. The app is similar to Discord, but with a focus on academic and campus collaboration.

campusconnectwcu.com

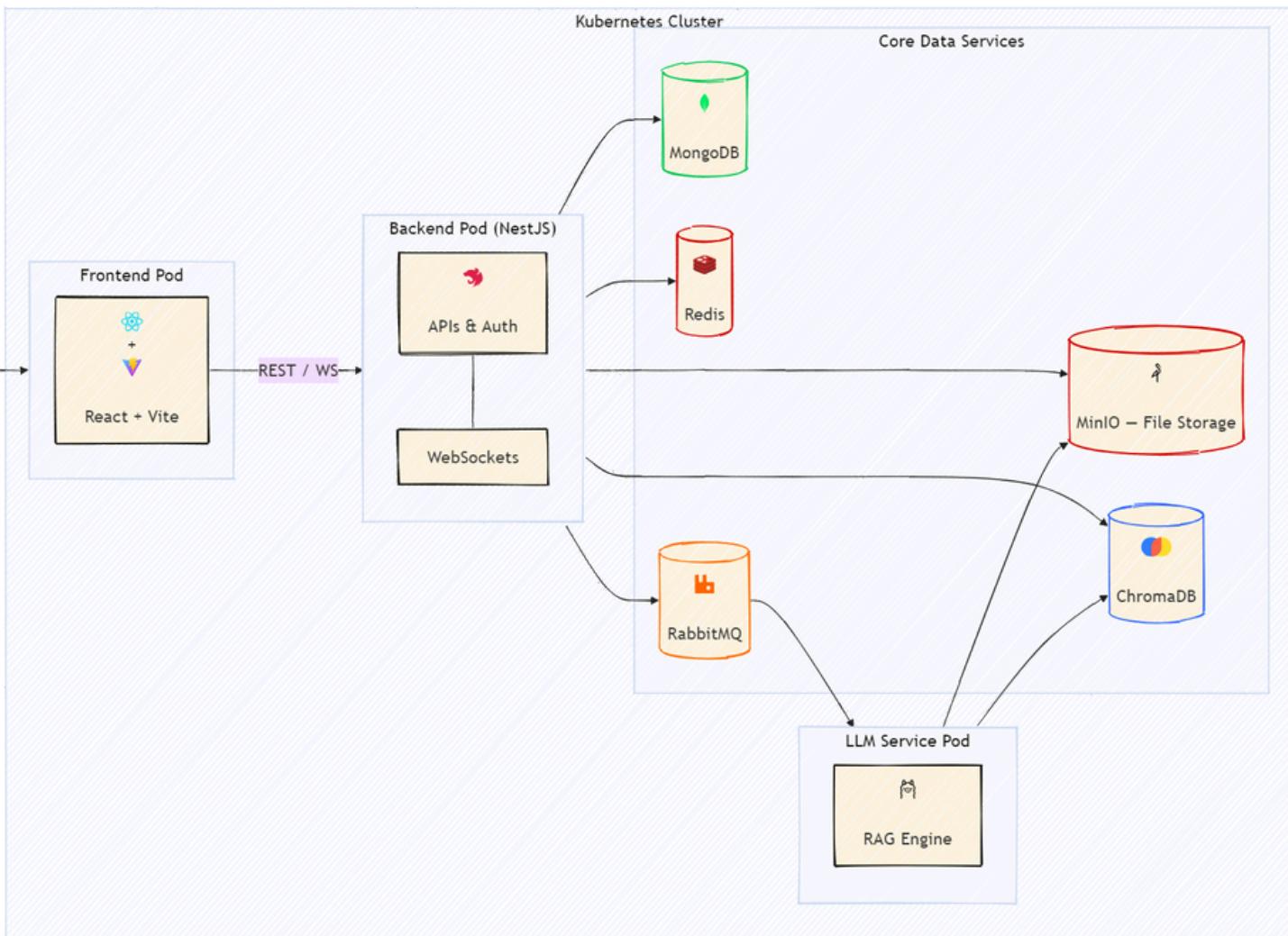
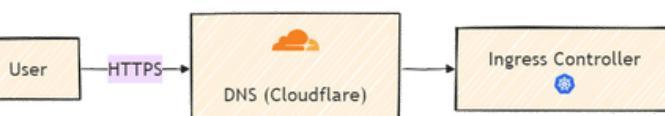
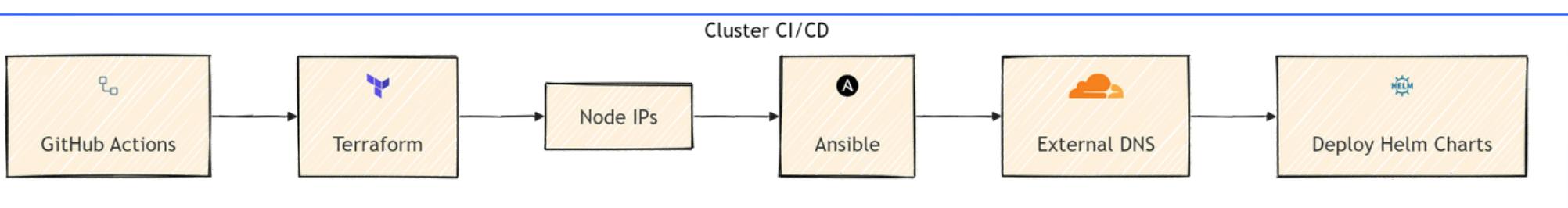
CI/CD

Use workflow from
Branch: main ▾
Branch to deploy ▾
main
SSH user on nodes (CL username) *
tg996676
Number of worker nodes instantiated *
2
Select CloudLab aggregate *
emulab.net
Select hardware type *
d710
Run workflow

Services CI/CD



Cluster CI/CD



Cluster