

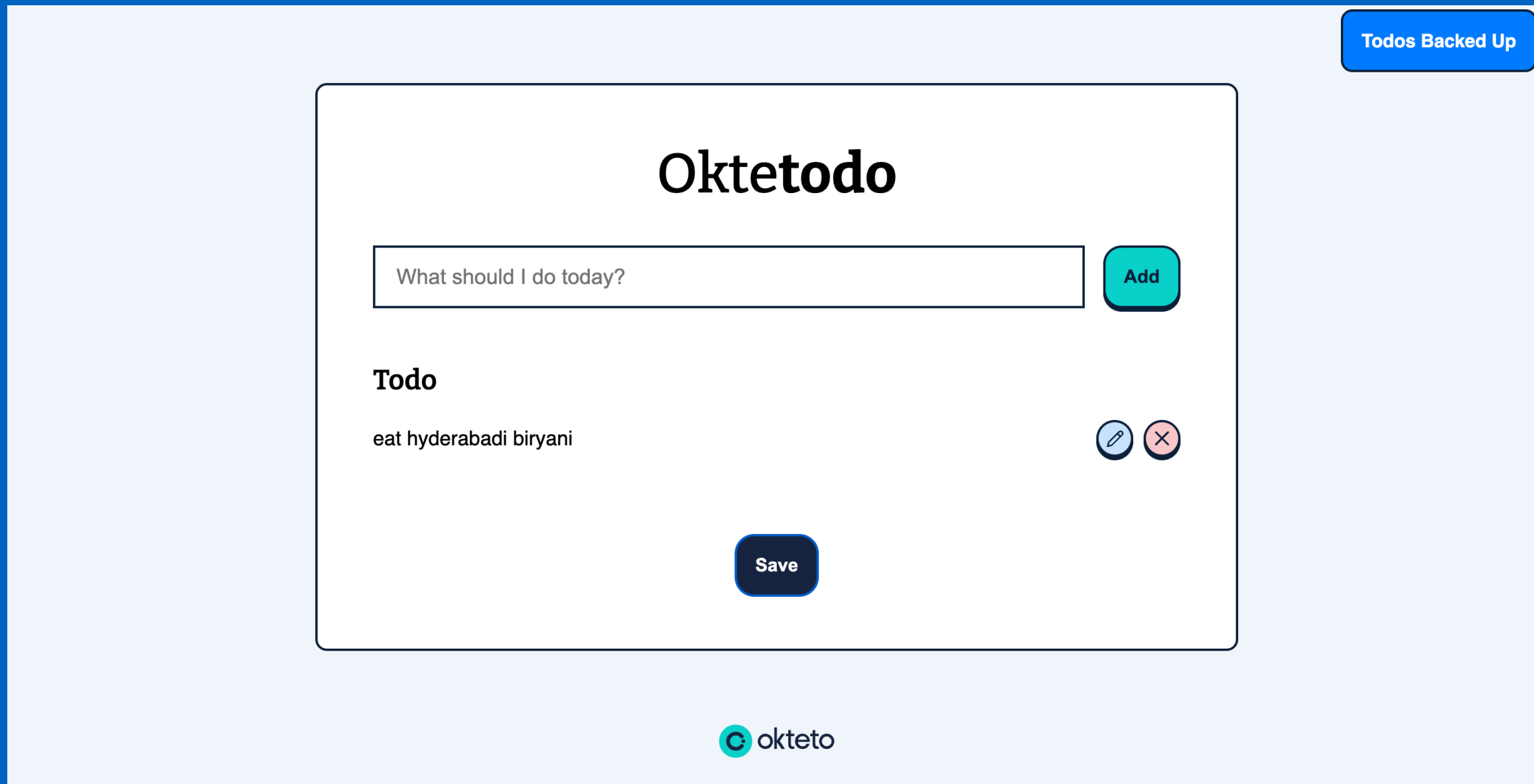
Creating a More **Cloud-Native** Development Experience

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What is Development Experince?

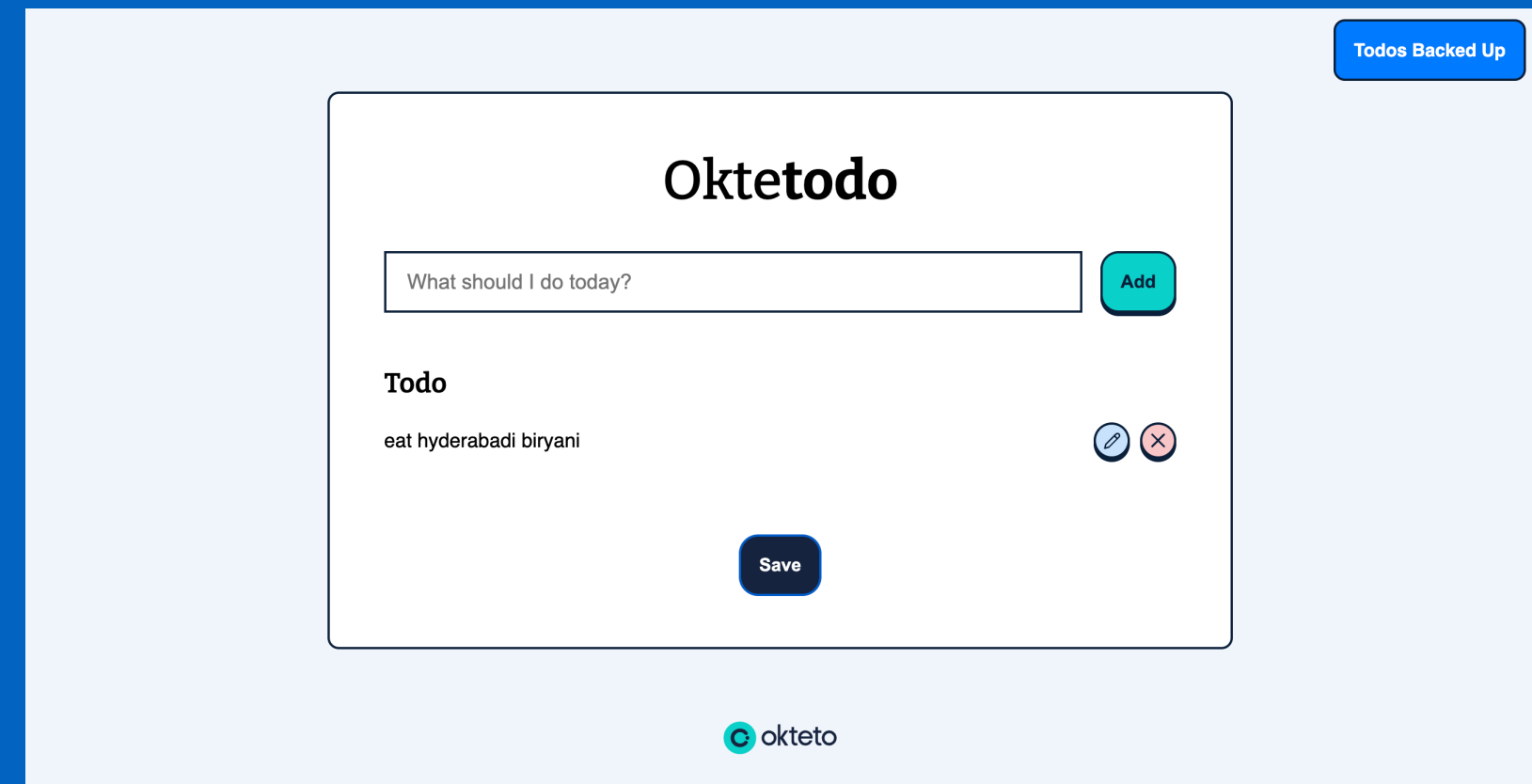
DevX refers to the overall experience that developers have while working with a particular set of tools, technologies, frameworks, or platforms.

Current Cloud Native DevX



Current Cloud Native DevX

- microservices code
- databases
- cloud services
- devops tools like terraform, helm, etc



Why Kubernetes for Dev Platforms?

- Containerized Environment
- Consistency Across Environments
- Service Discovery
- Scalability and Resource Efficiency
- Ecosystem and Extensibility

Okteto CLI

- github.com/okteto/okteto
- **Platform Engineers:** Define dev environments which will run on K8s
- **Developers:** One click deploy and develop applications directly in the cluster (`okteto up`)

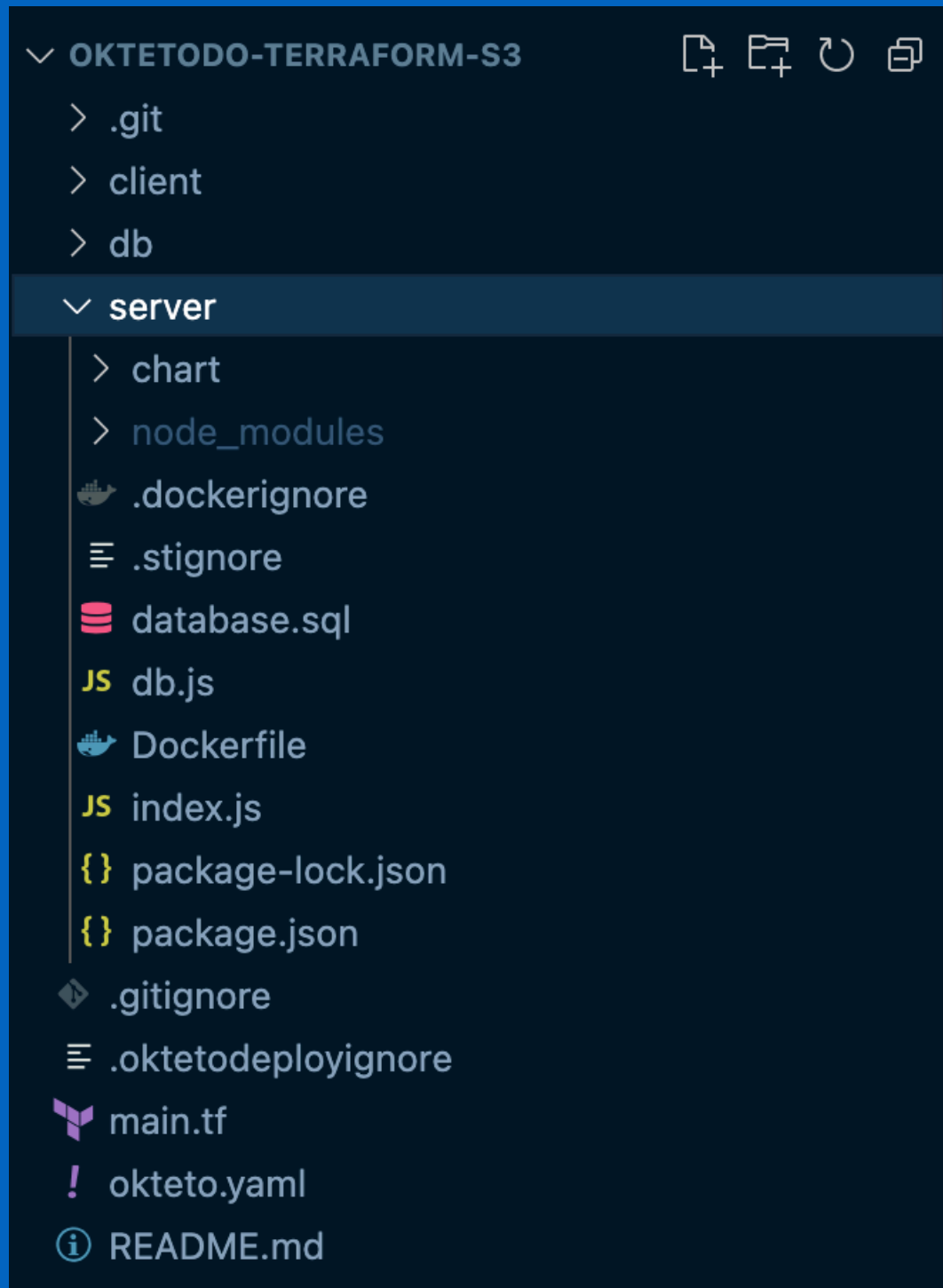
Demo!!

Try it out!

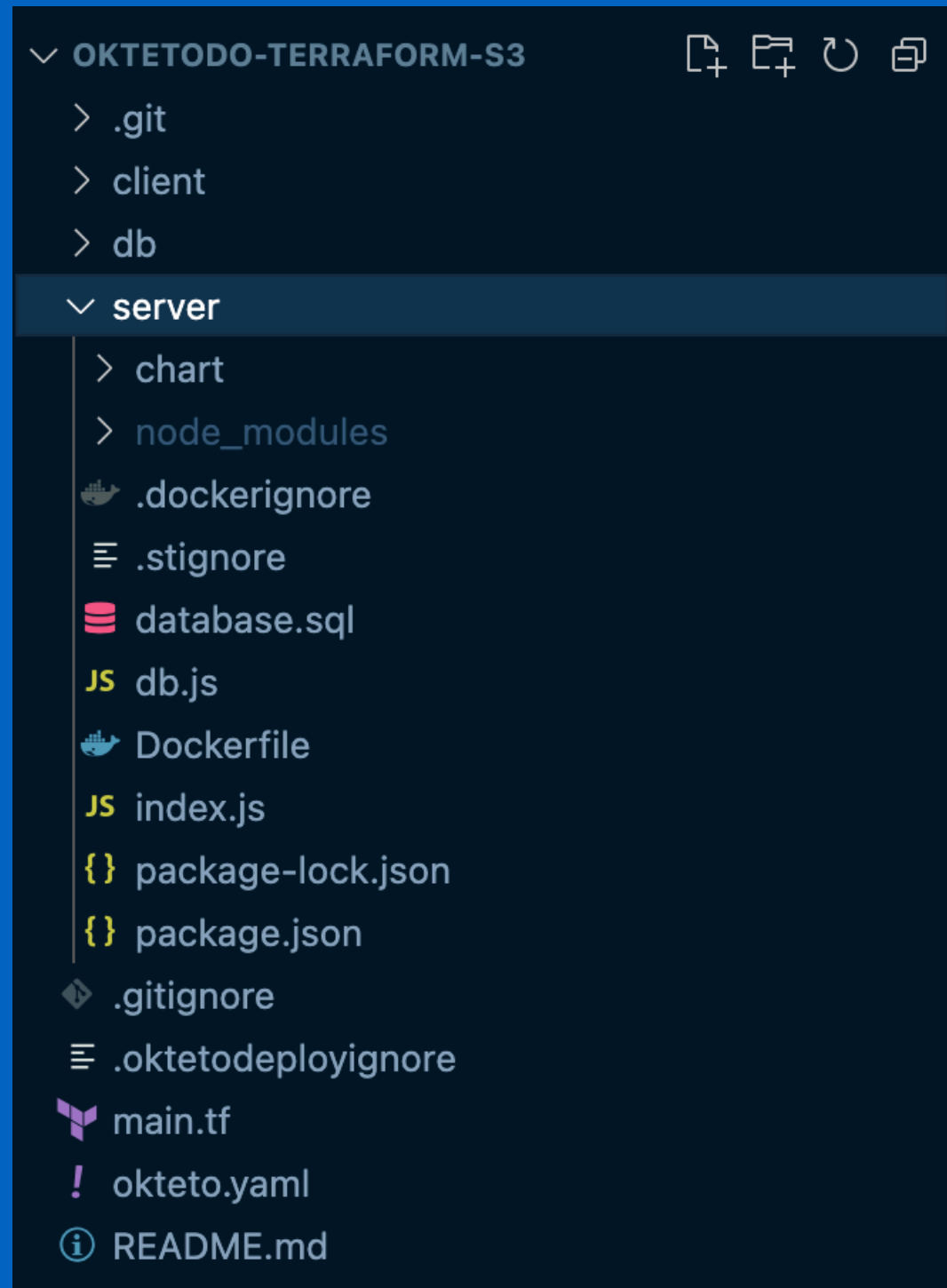


Build Section

```
build:  
  server:  
    context: server  
  client:  
    context: client
```



Deploy Section

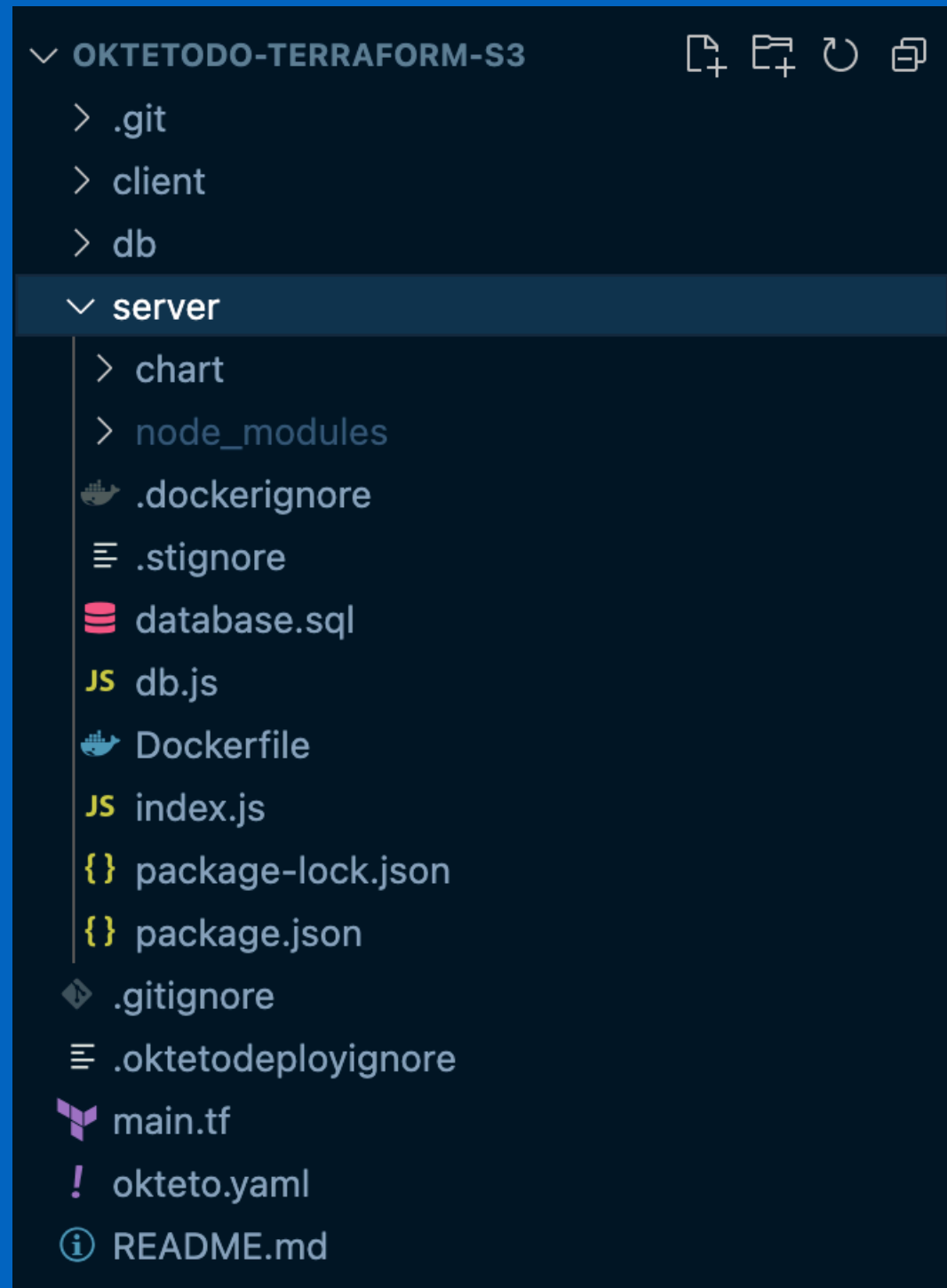


```
deploy:
  image: hashicorp/terraform:1.4

commands:
- name: Create the AWS S3 Bucket
  command: |
    terraform init -input=false
    terraform apply -input=false -auto-approve

- name: Create the AWS secret
  command: |
    kubectl apply -f aws-secret.yaml
```

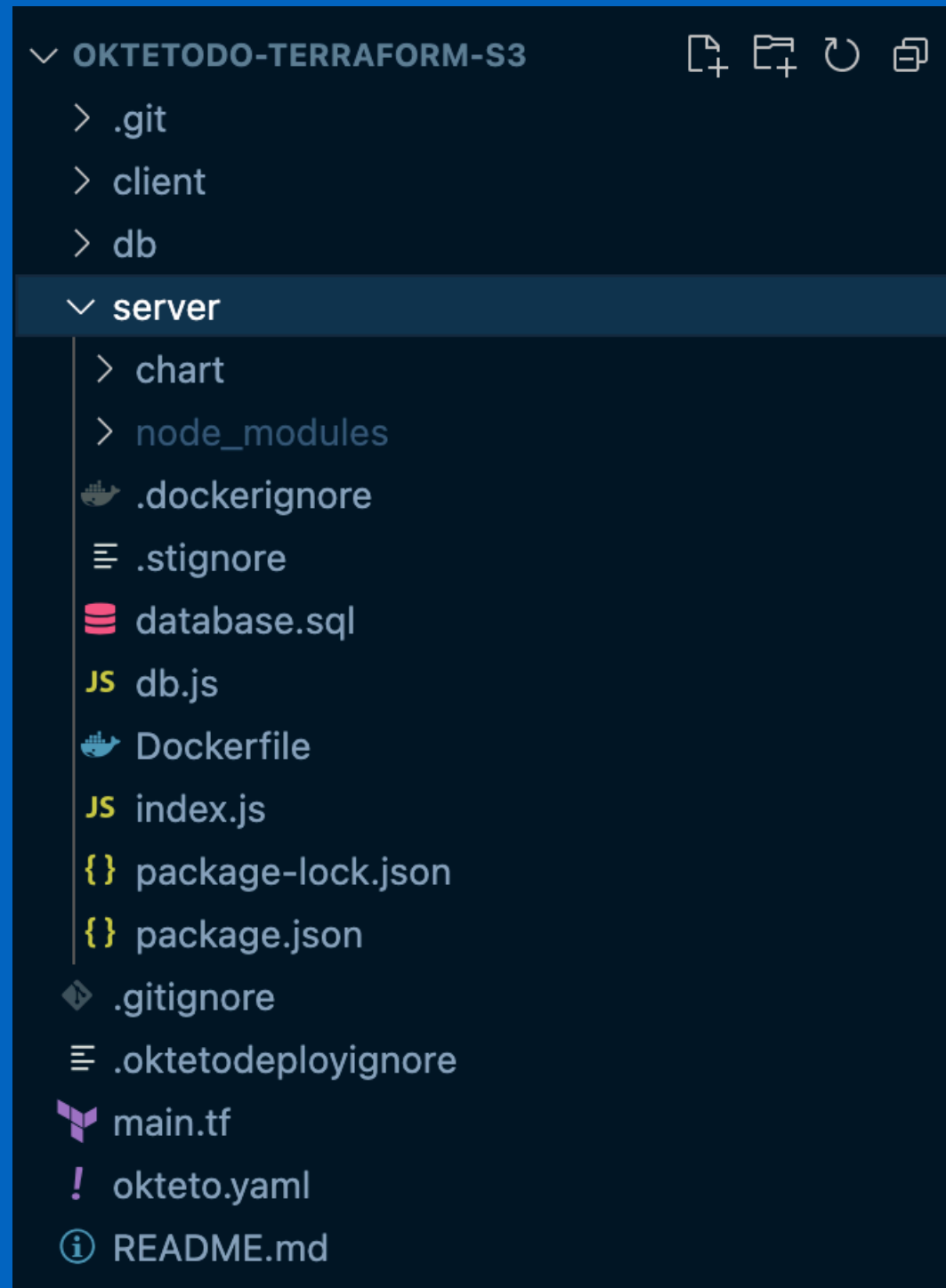
Deploy Section



deploy:

- ...
- name: Deploy the DB
command: helm upgrade --install db db/chart
- name: Deploy the Node.js Backend
command: helm upgrade --install server server/chart \
- set image=\${OKTETO_BUILD_SERVER_IMAGE} \
- set bucket="\$S3_BUCKET_NAME"
- name: Deploy the React Frontend
command: helm upgrade --install client client/chart \
- set image=\${OKTETO_BUILD_CLIENT_IMAGE}

Develop Section



```
dev:  
  server:  
    command: bash  
  sync:  
    - server:/app  
  client:  
    command: npm start  
  sync:  
    - client:/app
```

Thanks for attending!

For questions, reach out to me on Twitter: [@RinkiyaKeDad](https://twitter.com/RinkiyaKeDad)