Development Platform on Topof Rubernetes

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What is a Development Platform?

An Internal Developer Platform (IDP) refers to a set of tools, services, and infrastructure provided within an organization to streamline and enhance the development workflow for its software engineering teams.

— ChatGPT 3.5

It is key in defining the developer experience for your organization.

Mhy is it important?

Becuase the developer experience for cloud native apps is

Current Cloud Native DevX



Current Cloud Native DevX

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



Why Kubernetes for Dev Platforms?

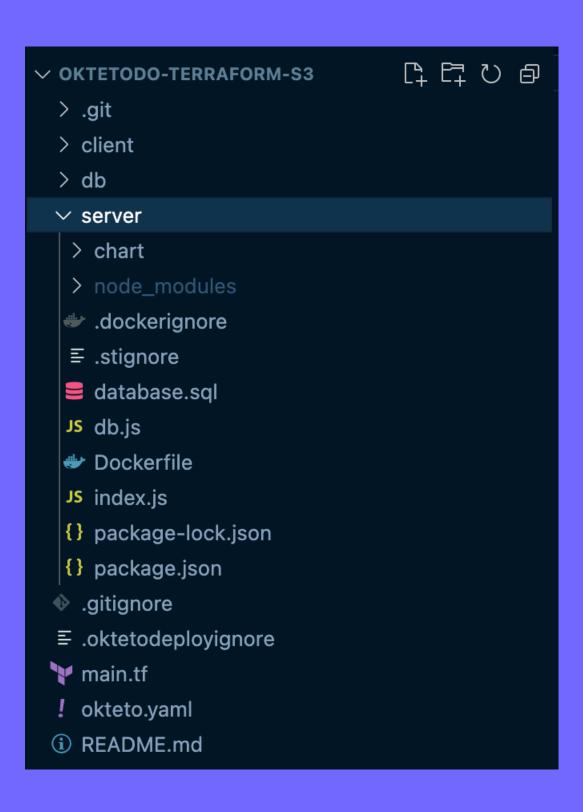
- Containerized Environment
- Consistency Across Environments
- Service Discovery
- Scalability and Resource Efficiency
- Ecosystem and Extensibility

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)

Try it out!

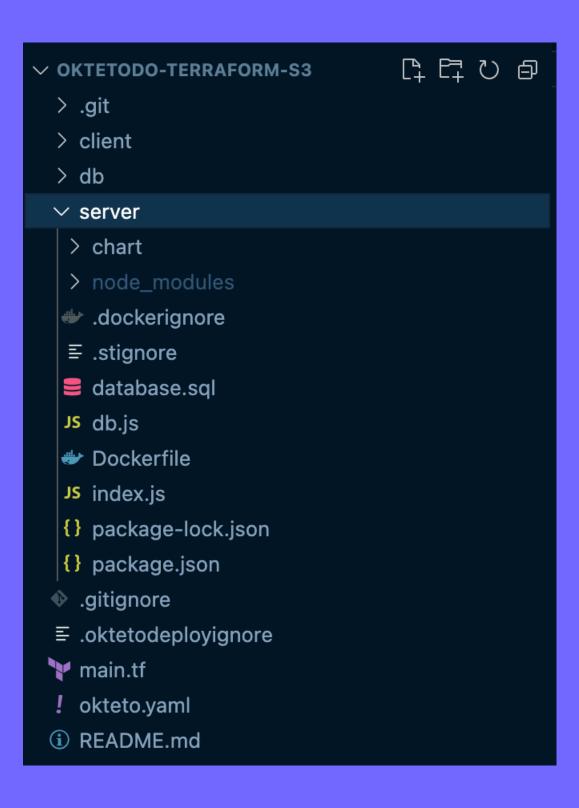




Build Section

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

@oktetohq



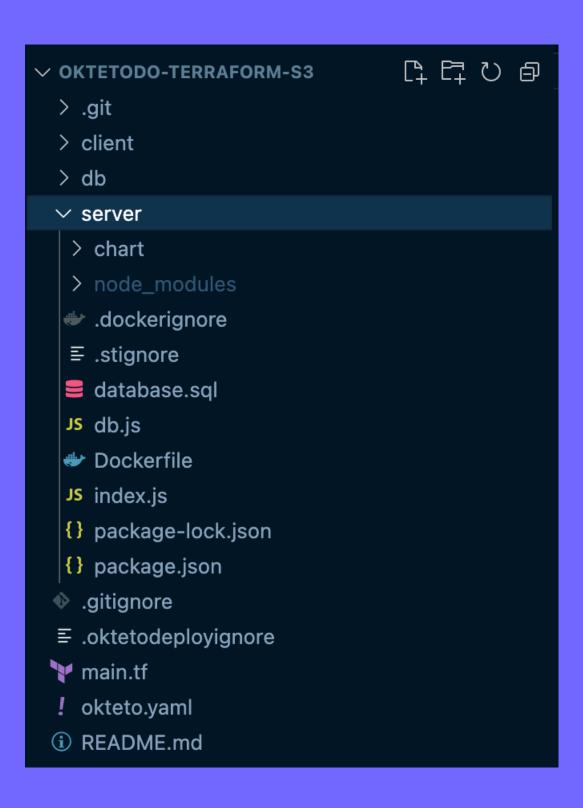
Deploy Section

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

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

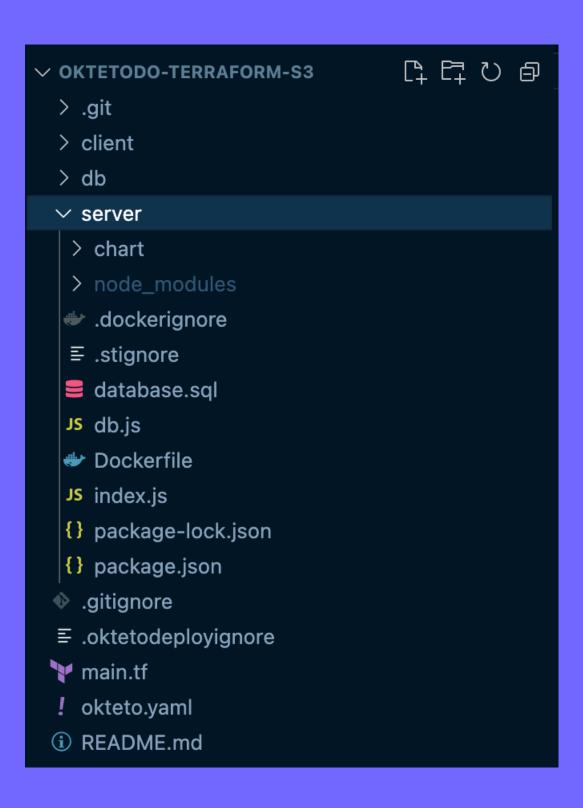
- name: Create the AWS secret
   command: |
        kubectl apply -f aws-secret.yaml
```





Deploy Section

@oktetohq



Develop Section

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


Try Okteto for free at: okteto.com

Feedback + Giveaway!

