```
1
2
3    Local to Cloud 'k8s'= {
4
5
6
7     Title: Deploy your Django  APP,
8
9
10    For: Beginners
11
12  }
13
14
```

Django ❤️ with k8s

About Myself 🙋

```
1
2
3
4       my_Introduction =  {
5       name: Achanandhi M,
6       education: Final year CSE Student (BE),
7       company: Working as a Intern in Itransz Esolution,
8       field_Of_Interest: ["CNCF", "python", "k8s", "AWS","Badminton"],
9
10      favourite_Quote: Something Magic will happen💫
11
12      }
13
14
```

Django ❤️ with k8s

```
1    Table Of 'Contents' {
2
3
4        01    Creating our Django app
5
6            Intro to  Django
7
8              02    Why k8s?
9
10                 Intro to k8s
11
12                    03    Demo Hands-on
13
14    }                    Deploy our Django app in k8s
```
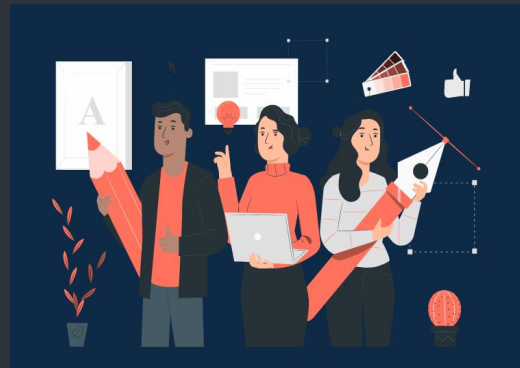
```
1    Why Django{
2
3
4            🌟 Built-in features.
5
6            🌟 Scalability for handling projects
7    efficiently.
8
9            🌟 High customization for diverse web
10   applications.
11
12           🌟 Robust security features for data
13   protection.
14
                     }
```

1   # Django rest framework🤔

2

3

4

5

6   "Django Rest Framework (DRF) is a powerful toolkit for building
7   Web APIs in Django. It simplifies the creation of APIs by
        providing serializers, authentication, pagination, and other
8   useful features out of the box."

9

10

11

12

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    }
14

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Why?

Django ❤️ with k8s

```
1    Why K8s?{
2
3
4
5            🚀  Built-in features.
6
7            🚀  Scalability for handling projects efficiently.
8            🚀  Automation of deployment and scalability
9
10           🚀  Deploying workloads in multi cloud environments
11
12
13       }
14
```

Django ❤️ with k8s

```
 1   Kickstart your k8s journey {
 2
 3
 4   [ 🔍 ]   Use Cloud provider
 5
         Use Managed kubernetes service
 6
 7            Use Hard way
 8   [ 📚 ]
         Set up Kubernetes on your own infrastructure.
 9
10
11           Toy k8s setup
12   [ ☁ ]
         Play locally with minikube.
13
14   }
```

Django ❤️ with k8s

'Hands-on' Is {
Worth a Thousand
Words
}

Architecture Diagram

1
2
3
4
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14

Develop   Build   Deploy

Django ❤️ with k8s

conclusion.py

conclusion.css

1
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14

{
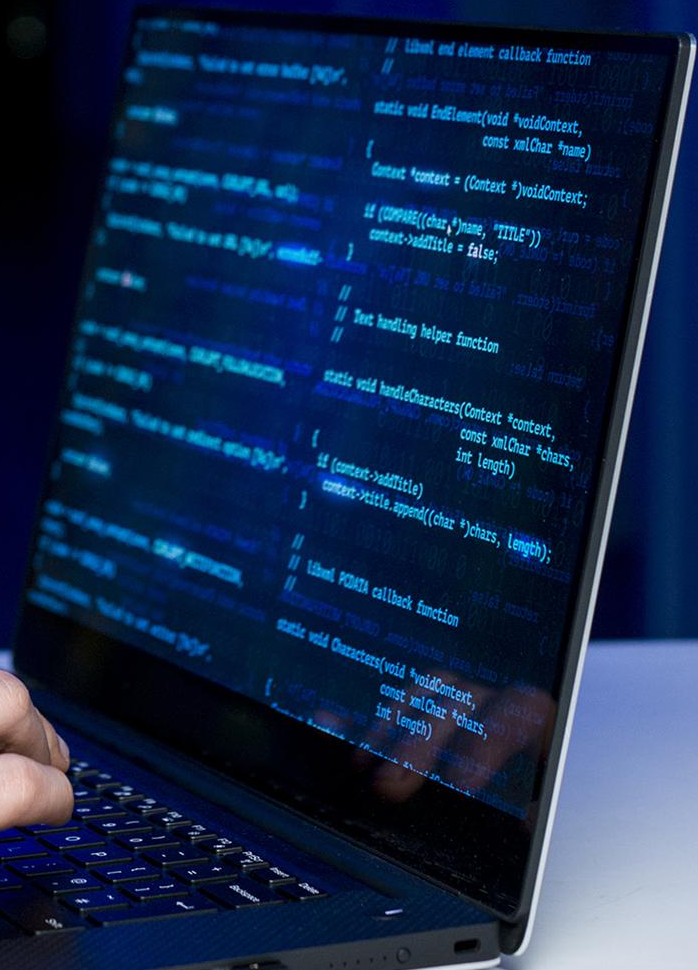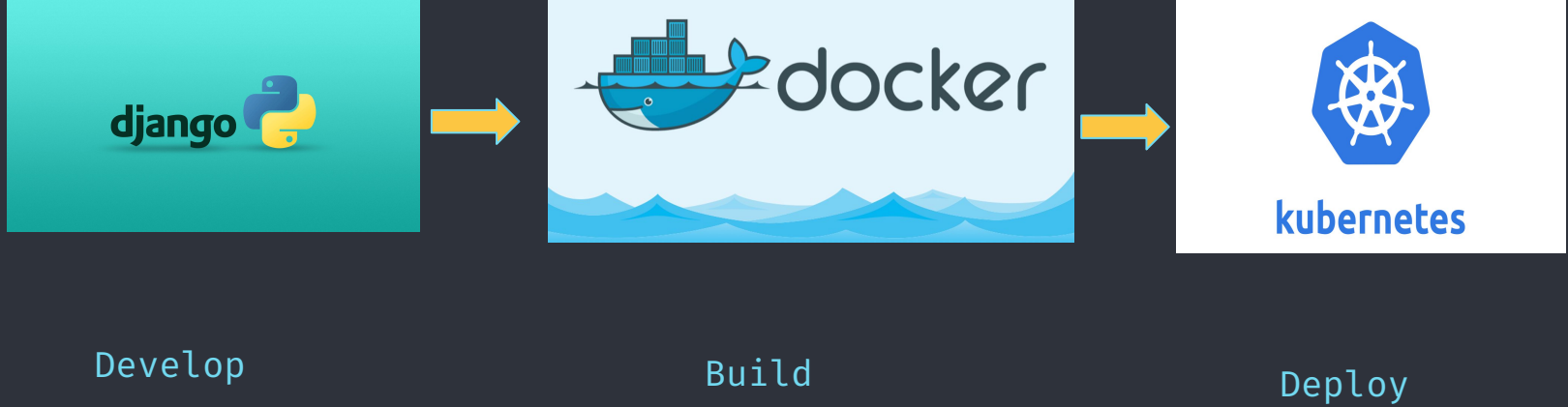
" Kubernetes is Not just
about writing Yaml files,
it is more than that "

}

Django ❤️ with k8s

```
 1    Alternative 'Resources' {
 2
 3        Kubernetes for python developers( book with examples):
 4        https://www.lakshminp.com/kubernetes-for-python-developers/
 5
 6        Paketo: https://paketo.io/
 7
 8        Code: https://github.com/Achanandhi-M/Chennaipy
 9
 9        K8s: https://kubernetes.io/
10
11        Django: https://www.djangoproject.com/
12
12        Digitalocean: https://www.digitalocean.com/
13
14    }   Blog: https://dockerize.io/guides/python-django-guide
```

Django ❤️ with k8s

```
1    Thanks; {
2
3
4        'Do you have any questions?'
5
6
7
8                              Connect with me through:
9
10                             achanandhi.m@gmail.com
11                             +91  9629976607
12                             https://www.linkedin.com/in/achanandhi-m/
13
14           }
```

Django ❤️ with k8s