



Docker and Kubernetes

Project 1

NodeJS application inside a Docker container - Making real world projects with Docker by running a NodeJS application inside a docker container

URL: <https://github.com/abhishek-kumar-code/NodeJS-Application-inside-Docker-Container>

Project 2

Docker-Compose with Multiple Local Containers - A web application built on NodeJS and Redis server, hosted using Docker container, which counts the number of visits to a web-page.

URL: <https://github.com/abhishek-kumar-code/Docker-Compose-with-Multiple-Local-Containers>

Project 3

React Application hosted on a nginx web server - Building a Production-Grade workflow that includes development, testing and deployment phase life cycles.

URL: <https://github.com/abhishek-kumar-code/React-Application-hosted-on-a-nginx-web-server>

Project 4

Using docker container to build a React application and setting up TravisCI to run our test suite. Using it to deploy our application on AWS Elastic Beanstalk.

URL: <https://github.com/abhishek-kumar-code/docker-react-travis-ci>

Project 5

Building a multi-container (React, Express, Postgres, Redis) component application with a nginx routing server to run a Fibonacci Calculator. Setting up TravisCI to run our test suite. Using AWS Elastic Beanstalk Instance, AWS Elastic Cache and AWS Relational Database Service (RDS) to deploy our application.

URL: <https://github.com/abhishek-kumar-code/multi-docker>

Project 6

Deploying Microservices Application on Google Cloud Platform Kubernetes Cluster. A web application developed on Python that allows user to choose and vote.

- i. Setting up a cluster using Google Kubernetes Engine
- ii. Creating our Kubernetes PODs
- iii. Creating Services - ClusterIP - Internal
- iv. Creating Services - Load Balancer - External

URL: <https://github.com/abhishek-kumar-code/kubernetes-example-voting-app>