**Blog Application-Backend**

What we are going to build?

* We wants blogging application where we can write blogs and articles, and user can comment on the blogs or article.

We have to build simple **blogging Application**:

* User should **create, update, delete and list posts**.
* User should **add, update, delete and comments on post**.
* Categories the posts according to categories.
* New user should able to register on our application.
* User should able to login to our application.
* Post include one picture too.

What we are going to build : Some Technical Terms?

* Proper **Login** and **Register** API.
* Posts API includes **Pagination** and **Sorting**.
* Proper user input validation handling.
* Proper exception handling.
* Role based authentication role based security with apis.
* JWT based authentication.
* Document all rest apis so that consumer can easy understand.
* Deploy the backed application on any cloud platform.

What are the technologies and tool we are using in this project?

* IDE : **STS** IDE
* Version : Java **8+**
* Maven : project built in tool.
* Server : Apache Tomcat
* MySQL Workbench : Data Handling
* Postman : Testing Rest API.
* Swagger : API documentation.
* AWS EC2: for deployment.
* Framework : **Spring Boot** java Framework.
* DataBase : **MySQL** database.
* Concepts : **Spring core,** **spring security(JWT),** **spring data JPA(Hibernate).**
* Version Control: **GitHub** and **SourceTree** for code management.

|  |
| --- |
|  |

**Application Diagram**