1. Name the programming languages that are used to develop backend applications!

There are a lot of programming languages that are used for backend development for different cases and applications. Some of these languages are: Go, Python, Java, and PHP.

1. Name and mention various technologies that need to be studied to become a backend engineer!

In order to become a backend engineer, you need to know different technologies for different parts of your development journey. For example in order to manage or create a database for your application you need to be familiar with SQL Severer or MySQL. In terms of framework, there are different frameworks for different programming languages such as Flask (Python), Gin (Go), Spring Boot (Java), etc. In addition, you also need to know Git or GitHub to help you with version control and storing and sharing your code and projects.