**Roadmap to become a successful Java developer.**

* ChatGPT is your best friend when it comes to software development.
* No rush. Take your time but be consistent and dedicative.

1. Basic Stuffs
   1. Variables
   2. Loop
   3. If and else
   4. Switch case
   5. Class
   6. Interface
   7. Method
   8. OOP concepts

* Resources:
  + <https://www.geeksforgeeks.org/java/>
  + <https://www.youtube.com/watch?v=bm0OyhwFDuY&list=PLsyeobzWxl7pe_IiTfNyr55kwJPWbgxB5>
* Let’s meet at this phase and will guide to the next phase.

1. Advanced Stuffs for Web Developments
   1. MVC concept
   2. JPA vs JDBC
   3. Reason for Springboot framework
   4. What is dependency injection?
   5. Annotation
      1. Autowired, Component, Repository, Service
      2. Entity, Table, Id, Column, Autogenerated
      3. RequestBody, RequestParam, RestController

* Resources:
  + <https://www.baeldung.com/spring-boot>
  + <https://www.youtube.com/watch?v=vlz9ina4Usk&t=1673s&pp=ygUbdGVsdXNrbyBzcHJpbmdib290IHR1dG9yaWFs>

1. Mid-level Project = **FindFriends**

* Real learning is not just only watching videos or reading blogs but to start building something.
* Let’s start real learning by practicing.
* Requirement
  + Registered users can only login to the system if not then can register.
  + Users can see another registered username.
  + Users can send friend requests.
  + Users can decide to accept or reject friend requests
* First, come up with the following plans. Let’s discuss and evaluate.
  + Database schemas
  + High level UI hand sketch
  + BackEnd API flow diagram
* Second, I’ll assist you in configuring FrontEnd, BackEnd and Database
* Third you can start build it I’ll assist you
* Tools and Tech stack
  + FrontEnd
    - React
    - VS Code
  + BackEnd
    - Springboot
    - Eclipse
  + Database
    - Postgresql
  + API testing
    - Postman
  + Source Control
    - Github

1. Mega level Project

* Now you can officially say that you have become a back-end developer 😊.
* But we have a lot to achieve. So, let’s build and learn together from this point.
* We are freshers but we can do this.
* Let’s build a full-fledged web application.
* Tech stack
  + FrontEnd: React
  + BackEnd: Springboot
  + Database: Postgresql
* Let’s decide what we are going to build together once we come to phase. But it needs to be something unique 😐
  + FrontEnd: Pirunthapan 🡺 70%, Sooriyakumar 🡺 30%
  + BackEnd: Pirunthapan 🡺 30%, Sooriyakumar 🡺 70%