

Junior FullStack Dev Syllabus

## **Version:** 1.0

**Summary : The programing helps internship at SmartDev to become a junior fullstack developer. Internship will have frontend skill angular and backend skill is java at the end of programing.**

Knowledge Content

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| --- | --- |
| # | Content |
| 1 | Web development (HTML, CSS, JavaScript, Bootstrap, ReactJS) |
| 2 | Backend Spring Boot |
| 3 | Design Pattern |
| 4 | Unit Test |
| 5 | Database Mysql |
| 6 | Scrum |
| 7 | Deployment |

## Knowledge and related resources

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| --- | --- | --- | --- |
| Week | Date | Must Achieve | Resource |
| Week 1 | 1 | Review technologies HTML,CSS, Bootstrap | levunguyen.com |
| 2 | Review technologies ES6, ReactJS | levunguyen.com |
| 3 | Review technologies ES6, ReactJS | levunguyen.com |
| 4 | Review technologies ES6, ReactJS | levunguyen.com |
| 5 | Demo & Report |  |
| Week 2 | 6 | Review technologies ES6, ReactJS | levunguyen.com |
| 7 | Review technologies ES6, ReactJS | levunguyen.com |
| 8 | Review technologies ES6, ReactJS | levunguyen.com |
| 9 | Review technologies ES6, ReactJS | levunguyen.com |
| 10 | Assessment ReactJS |  |
| Week 3 | 11 | Review technologies Spring Boot, Database | levunguyen.com |
| 12 | Review technologies Spring Boot, Database | levunguyen.com |
| 13 | Review technologies Spring Boot, Database | levunguyen.com |
| 14 | Demo & Report |  |
| Week 4 | 15 | Review technologies Spring Boot, Database | levunguyen.com |
| 16 | Review technologies Spring Boot, Database | levunguyen.com |
| 17 | Review technologies Spring Boot, Database | levunguyen.com |
| 18 | Assessment Spring Boot and Introduce Project |  |
| Week 5 | 19 | Setup Scrum team and requirement | <https://youtu.be/akxSdcg_EDQ> |
| 20 | Coding | https://www.youtube.com/channel/UC8VjQlFZWLrB-Nq7pQ0zGgA |
| 21 | Coding | https://www.youtube.com/channel/UC8VjQlFZWLrB-Nq7pQ0zGgA |
| 22 | Coding | https://www.youtube.com/channel/UC8VjQlFZWLrB-Nq7pQ0zGgA |
| 23 | Review | https://www.youtube.com/channel/UC8VjQlFZWLrB-Nq7pQ0zGgA |
| Week 6 | 24 | Coding + Unit Test | https://www.youtube.com/channel/UC8VjQlFZWLrB-Nq7pQ0zGgA |
| 25 | Coding + Unit Test | https://www.youtube.com/channel/UC8VjQlFZWLrB-Nq7pQ0zGgA |
| 26 | Coding + Unit Test | https://www.youtube.com/channel/UC8VjQlFZWLrB-Nq7pQ0zGgA |
| 27 | Coding + Unit Test | https://www.youtube.com/channel/UC8VjQlFZWLrB-Nq7pQ0zGgA |
| 28 | Review | https://www.youtube.com/channel/UC8VjQlFZWLrB-Nq7pQ0zGgA |
| Week 7 | 29 | Coding + Design Pattern | https://www.youtube.com/channel/UC8VjQlFZWLrB-Nq7pQ0zGgA |
| 30 | Coding + Design Pattern | levunguyen.com |
| 31 | Coding + Design Pattern | levunguyen.com |
| 32 | Coding + Design Pattern | levunguyen.com |
| 33 | Review |  |
| Week 8 | 34 | Coding + Deploy Heroku | https://www.youtube.com/channel/UC8VjQlFZWLrB-Nq7pQ0zGgA |
| 35 | Coding + Deploy Heroku | https://www.youtube.com/channel/UC8VjQlFZWLrB-Nq7pQ0zGgA |
| 36 | Coding + Deploy Heroku | https://www.youtube.com/channel/UC8VjQlFZWLrB-Nq7pQ0zGgA |
| 37 | Assessment |  |
| 38 | Assessment |  |

Duration

* 2 months of training
* Monday – Friday at 8h00 to 17h00

Material

* Online for learning
  + levunguyen.com
  + Hoclaptrinhonline.asia
  + Youtube
* Students bring laptop and headphone to company

Assessment

The assessment will base on project that team makes in 2 months. The team got 85/100 will pass the course