A JAVA EE + ANGULAR FULL-STACK SZOFTVERFEJLESZTŐ KÉPZÉSÉN ELSAJÁTÍTOTT TECHNOLÓGIÁK

JAVA SE

- variables, operators, datatypes
- code blocks, methods
- control flow statements
- classes, objects
- interfaces
- collection framework
- packages, access modifiers
- exception handling, basic I/O
- concurrency, multithreading
- stream API, lambda expressions

METHODOLOGY

- clean code, test-driven development, pair prog.
- focusing on software product
- agile team work, SCRUM
- brief, planning, standup, demo, retrospective
- estimation, sprint, Kanban board
- JIRA Agile

WEB / FRONTEND

- HTTP protocol
- HTML/CSS
- Bootstrap
- servlets, filters, forward/include/redirect
- MVC pattern
- Javascript/ ES6 / Typescript,
- Angular (Components, directives, services, Form handling, Routing, RXJS)

SOAP

- XML based webservices, WSDL,
- designing and implementing webservices using Java framework
- using SoapUI

JAVA ENTERPRISE EDITION (JAVA EE)

- EJB
- JPA
- Applications servers
- Servlets, filters, forward/include/redirect
- JMS
- XML Web Services, REST

OOP

- UML modeling
- encapsulation
- abstract classes
- composition, inheritance
- polymorphism
- coupling, cohesion
- design patterns (strategy, proxy, factory, singleton)

ALGORITHMS

- sorting algorithms
- searching algorithms
- recursion
- binary trees, graphs

DATABASES

- basic DDL and DML commands
- database design basics (E-R diagrams)
- transactions
- JDBC
- DAO pattern
- Hibernate/JPA
- MySQL

TESTING

- TDD using JUnit
- using Mockito
- unit testing vs integration testing
- testing with Selenium

DEVOPS

- Using logging frameworks (Logback, Log4J)
- Using Maven as build tool
- Linux basics
- Cloud Deployment

SOFT-SKILLS

- Improvisation workshops
- Communication & presentation workshops
- Team work practice

TECH STACK

BROWSER

JS / ES6

TS **A**NGULAR

HTTP ⬆️⬇️ JSON

REST API

CONTROLLER LAYER

⬆️⬇️

SERVICE LAYER

⬆️⬇️

PERSISTENCE LAYER

⬆️⬇️

Java **EE** Enterprise Edition

Java

JPA

❖HIBERNATE

SQL