

Full stack developer

english course



online - 6 months

eng

Instruction in English



German State Accreditation

Full stack developer

A full stack developer works on both frontend and backend of web apps. The front end is responsible for the visual look of the website, while back end is responsible for the behind the scenes logic and infrastructure of the site.

A full stack web developer is a person who can develop both client (front-end) and server (back-end) software. In addition to mastering HTML and CSS, full stack developer also knows how to:

- Program a browser (like using JavaScript, jQuery)
- Program a server (like using Node or other)



Advantage of being a full stack developer

- High Demand

The demand for full stack developers is high and increase around 20% per year. That's so because full stack developers work with all three layers of the process (presentation, logic and database).

>2000 | jobs

The Europe labour market is defined by express demand for full stack developers.

- High Pay

Full stack Engineers earn normally around 60.000 EUR per year and most of the Fullstack salaries are between 47.500 EUR and 75.000 EUR per year.

60.000€ | salary

High average wage in the labor market

- Flexibility

Have more work flexibility, working on the application's client side as well as its database side.

Our school

27 | years

We teach IT professions
and help you find a job
in Israel, Germany and the US

4000+ | students

after their studies at Tel-Ran
successfully work
in IT companies all over the world

25 | courses

have already been held
in the last 5 years in Germany

Our students work at leading companies in Germany and Europe.

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Programme Overview

We prepare our students to be full stack developer with the following set of competencies: React, Git, Node.JS, SQL, noSQL.

Having mastered these skills you can find a job as a full stack developer in large stable companies as well as in flexible startups.



Curriculum

Vacation

24.10 - 10.10

November | December | January | February | March | April | May

Main subject: Front-end/Full stack

Final project

GIT

Data base

Linux

Manual Testing

Project management

English for interview

654 ac hours

Course schedule

Monday

Front-end	9:30 - 11:15
Coffee break	11:15 - 11:30
Practice	11:30 - 12:45
Dinner time	12:45 - 13:30
Self Practice/ad course	13:30 - 15:30

Tuesday

Front-end	9:30 - 11:15
Coffee break	11:15 - 11:30
Practice	11:30 - 12:45
Dinner time	12:45 - 13:30
Self Practice/ad course	13:30 - 15:30

Wednesday

Front-end	9:30 - 11:15
Coffee break	11:15 - 11:30
Practice	11:30 - 12:45
Dinner time	12:45 - 13:30
Self Practice/ad course	13:30 - 15:30

Thursday

Front-end	9:30 - 11:15
Coffee break	11:15 - 11:30
Practice	11:30 - 12:45
Dinner time	12:45 - 13:30
Self Practice/ad course	13:30 - 15:30

Friday

Front-end	9:30 - 11:15
Coffee break	11:15 - 11:30
Practice	11:30 - 12:45
Dinner time	12:45 - 13:30
Self Practice/ad course	13:30 - 15:30

Class description

→ Front-end/Full stack

Basic course

HTML, CSS

Basic java script: Loops and arrays, Objects, Functions, methods, Lexical scope, Closure, context, callback, Object, Date, Date methods, Destructuring and etc.

Pro course

Advanced java script: JS OOP, JS DOM, jQuery, JS JSON, LocalStorage, setTimeout, setInterval, JS Fetch, work with API, JS Unit tests, Jest, Mocha, Async tests, JS Node.js, EcmaScript, ES Modules, import, export and etc.

React: JSX, Virtual DOM, Components Basic, ReactJS Events and Props and etc.

Node.JS: Core, Modules, Exports and Require, Events, EventEmitter, Files, FileSystem, 3rd part modules, HTTP, WebServer, Events, EventEmitter and etc.

→ GIT & Linux

GIT: Remote repository GitHub и GitLab, commands

Linux: Redirection, recording and appendings, numeral systems и scripts and permissions, CPU info locate find cron, scripts

→ Manul Testing

Quality standard 25010. Levels of testing, Mindmapping, Repetition, Test Design, Decision tables, State Transition diagram, Web Testing

→ Project management

Introduction to software development processes and methodologies

Overview of existing methodologies: Waterfall, Scrum, Kanban

Scrum: process description, Agile methodologies

→ Database

Relational Databases: schema, tables, queries, MySQL, NoSQL

databases: MongoDB, OSI/ISO model and protocols stack, HTTP protocol, REST API, Version control systems: GitHub

Full education programme

Skills on your resume

HTML, CSS

jQuery

SQL & noSQL mongodb

JavaScript, React, Redux

Node.js

Git

Manual testing

Project management: agile, scrum, waterfall