

## קורס מפתחי Full Stack ואוטומציה

### משך הקורס:

1. 1107 ש"א לימוד- כולל פרויקטים, תרגול עצמי וסדנאות הכנה לקריירה -כ6 חודשים.
2. התמחויות- כחודשיים נוספים.

### נושאים:

#### נושאים לכלל הכיתה (כ612 ש"א):

- Javascript basics - variables (primitive type only), operators, conditions (boolean expressions, if&else, switch, truthy vs falsy)
- Javascript basics - functions (parameters, return value, scope), string & number methods
- Javascript basics - array (without methods) and basic loops
- Javascript basics - objects
- Node + Express
- Node + Express | simple FullStack project
- SQL
- Node + Express + MongoDB (Mongoose) | simple FullStack project
- Auth management (backend) | simple FullStack project
- Testing Methodologies
- Jira
- Postman
- Automation with JS
- HTML & CSS - HTML elements & attributes, CSS selectors, cascade and basic properties
- HTML & CSS - CSS specificity, display (basic flexbox)
- HTML & CSS - CSS position
- DOM - simple DOM manipulations
- DOM - render list from JS
- Project - Vanilla frontend

- Advance CSS - grid, more about flexbox
- Array Methods & HOF & Closure
- MVC & Javascript modules & Event Loop
- Async js & Promises
- Project - Vanilla Full Stack

### **נושאים לממשיכים במגמת פיתוח Full Stack (כ324 ש"א):**

- React - SPA, config, JSX, lists, conditional, events
- React - Introduction to state, components and props
- React - data fetching (useEffect), useRef, forms, derived state
- React- Component library -MUI
- React Router - routes, route as child, useParams, useNavigate, useSearchParams
- React simple project
- Tailwind css - build you own components
- State management - context
- State management - redux
- Project - React Full Stack
- Typescript
- Typescript in React
- Typescript in express
- FullStack Project (Typescript)

### **נושאים לממשיכים במגמת פיתוח אוטומציה (כ324 ש"א):**

- Python
- Automation with Python
- Automation project with Python