Current track is **Java Developer** change

Current project: Bulls and Cows change. Stages completed: 1 / 7.

You'll complete the current stage in 10 minutes, the project in 4 hours.

- Frontendβ — 0 / 24 topics
- Mathβ — 0 / 29 topics
- Algorithms
  - Intro to algorithms
    - Computer algorithms
    - Recursion basics
    - Divide and conquer
    - Introducing the first algorithm
    - The big O notation
    - Data structures
  - Graphs
    - Graph
    - Basic terminology
    - Representation of graphs
    - Weighted graph
    - Connectivity in graphs
    - Spanning trees
    - Prim's algorithm
    - Kruskal's algorithm
    - Breadth-first search
    - Dijkstra's algorithm
  - Search algorithms
    - Linear search
    - Binary search
    - Jump search
  - Sorting algorithms
    - The sorting problem
    - Insertion sort
    - Merge sort
    - Bubble sort
    - Counting sort
    - Quick sort
    - Selection sort
  - Trees
    - Tree
    - Binary heap
    - Binary search tree
    - Tree traversals
  - Limited access data types
    - Stack
    - Queue
    - Deque
    - Priority queue
  - String algorithms
    - String basics
    - Searching a substring
    - Hamming distance
    - Prefix function
    - Knuth-Morris-Pratt algorithm
    - String hashing
    - Rabin-Karp algorithm
  - Linear structures
    - Singly linked list
    - Doubly linked list
    - Fixed-size array
    - Dynamic array
  - Dynamic programming
    - Dynamic programming basics
    - Edit distance
    - Edit distance alignment
  - Hashing
    - Hashing: overview
    - Hash table
- Databases and SQLβ — 0 / 17 topics
- Essentials — 9 / 31 topics
- Dev tools — 3 / 18 topics
- Java — 66 / 239 topics