



**Software  
University**

# CERTIFICATE

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This certificate is issued by Software University to acknowledge that

**Pavel Kostadinov Ivanov**

has successfully completed a course

**Data Structures - December 2018 - online**

with **6.00/6.00**



Issue date: 28/02/2019

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**Svetlin Nakov**  
Manager Training and Inspiration

# COURSE CURRICULUM:

| TOPIC   | HOURS |
|---|-------|
| LINEAR DATA STRUCTURES - LIST AND DS COMPLEXITY | 2     |
| LINEAR DATA STRUCTURES - STACKS AND QUEUES      | 3     |
| BASIC TREE DATA STRUCTURES - TREE, BINARY TREE  | 4     |
| BINARY SEARCH TREES                             | 4     |
| HEAPS AND PRIORITY QUEUE                        | 4     |
| B-TREES AND RED-BLACK TREES                     | 4     |
| AA-TREES AND AVL TREES                          | 4     |
| ROPE AND TRIE                                   | 4     |
| QUAD TREES, K-D TREES, INTERVAL TREES           | 4     |
| HASH TABLES - SETS AND DICTIONARIES             | 4     |
| COMBINING DATA STRUCTURES                       | 4     |



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