



INSTITUTE

February 24, 2022

CERTIFICATE

of proficiency in the
C++ programming language

Essam A. El-Sherif

is a C++ Certified Professional
Programmer - **CPP**

Exam Version: CPP-22-02

Scope

- Templates
- STL sequential containers
- STL associative containers
- Modifying STL algorithms
- Non-modifying STL algorithms
- Sorting STL operations
- STL merge operations
- STL utilities and functional library
- STL advanced I/O

Christopher Boguslawski
President, C++ Institute



This certificate can be verified at
verify.openedg.org

Code: **Eg6b.jwis.avtg**

