



INSTITUTE

August 16, 2021

CERTIFICATE

of proficiency in the
C programming language

Essam A. El-Sherif

is a C Certified Professional
Programmer - **CLP**

Exam Version: CLP-12-01

Scope

- C language standards and modern C
- Handling variable numbers of parameters
- Low-level I/O operations, file control
- Memory and string operations, l18N
- Processes and threads
- Float and integer processing, multi-precision libraries
- Network sockets
- Miscellaneous: const, restrict, volatile, jumps, array operations, unspecified/undefined behaviors, portability issues

Christopher Boguslawski
President, C++ Institute



This certificate can be verified at
verify.openedg.org

Code: **BEw4.Ht0J.Fhcp**

