



# Certificate of Completion

This certifies that the holder has successfully completed the course:

## SOFT ESSENTIALS

Awarded to Joanna Masraff on September 29, 2026

This course provides foundational knowledge of green software principles, equipping software practitioners to design and develop applications that are sustainable and environmentally responsible.

Offered and  
Authorized by:



Green  
Software  
Foundation

Asim Hussain  
GSF Executive Director

[movement.greensoftware.foundation](https://movement.greensoftware.foundation)