



CERTIFICATE OF COMPLETION

# Jesse Juhani Pernilä

has successfully completed



Completed: Jul 3, 2025

## Fullstack TypeScript, v2 (feat. Zod)

4 hours, 8 minutes



**Steve Kinney**  
Teacher  
Frontend Masters

A handwritten signature in black ink on a white background.

**Marc Grabanski**  
CEO Frontend Masters