

Red Hat, Inc. hereby certifies that

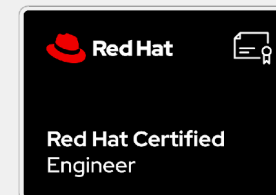
QIRUI XING

has successfully completed all the program requirements and is certified as a

Red Hat® Certified Engineer (RHCE®)

A handwritten signature in black ink, appearing to read "RRR", followed by a long horizontal line and a final flourish.

RANDOLPH R. RUSSELL
DIRECTOR OF RED HAT CERTIFICATION



March 31, 2023 CERTIFICATION ID: 230-003-808

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