



Student Records & Registration  
Kimball Building 190  
Rexburg ID 83460  
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Doris Joan Rush-Lopez

Institution: Brigham Young University—Idaho

Certificate: Certificate

Completion Date: September 7, 2022

A blue ink signature of Lauri Arensmeyer, written in a cursive style, positioned above a horizontal line.

Lauri Arensmeyer, University Registrar

This eDiploma was digitally Signed and Certified on Oct 10, 2022.

One-Click Degree Verification

### eDiploma - Signed and Certified PDF

To validate the Signature and Certification of this eDiploma, you must open this PDF with Adobe Reader or Adobe Acrobat. You will see a Blue Ribbon at the top of the document validating the digital Signature used to Certify this eDiploma.





# CERTIFICATE

On recommendation of the University Faculty and on authorization of the President  
and the Board of Trustees, Brigham Young University-Idaho has awarded

Doris Joan Rush-Lopez

this certificate in

Web Backend Development

Together with the honors, rights, privileges, and responsibilities pertaining thereto.

GIVEN IN REXBURG IN THE STATE OF IDAHO THE SEVENTH DAY OF SEPTEMBER IN  
THE YEAR OF OUR LORD TWO THOUSAND AND TWENTY-TWO.

## CERTIFICATE LEARNING OUTCOMES

- Demonstrate skills in HTML, CSS, JavaScript, databases, and server-side development using PHP or .NET.
- Write operational code to pass and obtain data from a server including PHP and JavaScript.
- Inject data into the DOM (document object model) for dynamic web site applications.
- Show skill with database servers (Relational and NoSQL) and tools to design and build basic databases needed for dynamic web applications.
- Demonstrate proficiency in SQL code to implement a CRUD (Create, Read, Update and Delete) management tool using a web interface.
- Differentiate between web application and device application development best practices and implementations.

*Henry J. Eyring*  
PRESIDENT OF THE UNIVERSITY



REXBURG, IDAHO

*John A. Linder*  
ACADEMIC VICE PRESIDENT