

# CS 470

## Full Stack Development II



### Course Description

In this course, students will develop a full stack application that runs in the cloud. Through the application of cloud-based development principles and best practices, students will take their software stack from Full Stack Development I and utilize frameworks to build the cloud architecture upon which the software stack application will run. In addition, students will demonstrate their career readiness by articulating highly technical content to various audiences and in various formats. This course is the second in a two-course sequence.

### Competency Projects

The course goals are communicated through three competency statements. Competencies represent the knowledge and skills relevant to your field. Additionally, there will be two projects to complete that show mastery of the competencies. The amount of material covered, the level of difficulty, and the workload expectations are all typical for a 400-level course.

#### Project One (Module Six submission)

Explore cloud development frameworks for leveraging cloud infrastructure by migrating your web application to a cloud-based environment.

In this project, you will demonstrate your mastery of the following competencies:

- Apply cloud-based development principles and best practices in application development
- Develop applications that run on cloud-based frameworks

#### Project Two (Module Seven submission)

Create a presentation about your experiences migrating from full stack to a cloud-native web application using AWS microservices.

In this project, you will demonstrate your mastery of the following competency:

- Defend design decisions to a variety of audiences and in a variety of formats

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8

Weeks

