

CS 470 – Full Stack Development II

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Reflection

My Final Project Presentation

1. Experiences and Strengths

Professional Goals

- **Response:** CS 470 has advanced my path toward becoming a full-stack developer specializing in cloud solutions. The skills I gained, such as cloud deployment and API development, align directly with my career goal of working in a leading tech company like FAANG.

Skills Acquired

- **Response:** Key skills I developed include:
 - **Cloud Computing:** Proficiency in deploying and managing applications on AWS.
 - **API Development:** Expertise in designing and implementing RESTful APIs.
 - **Full-Stack Development:** Enhanced abilities in both frontend and backend technologies.

Strengths as a Developer

- **Response:** My strengths include problem-solving, rapid adaptation to new technologies, and the ability to optimize code for performance in cloud environments.

Roles Prepared For

- **Response:** I am prepared for roles such as:
 - **Cloud Solutions Architect**
 - **Full-Stack Developer**
 - **DevOps Engineer**

2. Planning for Growth

Synthesis of Cloud Service Knowledge

- **Response:** My cloud service knowledge guides a strategic approach to scaling, using AWS Auto Scaling to ensure dynamic resource management and cost efficiency.

Microservices and Serverless Architectures

- **Response:**
 - **Scale and Error Handling:** Microservices enable independent scaling and fault isolation.
 - **Cost Prediction:** Serverless architectures like AWS Lambda offer more predictable and potentially lower costs for applications with varying loads.
 - **Pros and Cons:** Microservices provide better scalability but increase management complexity, while serverless offers simplicity but might have limitations in long-running processes.