

4-1 Journal: Career Choice and Artifact Update

Mohamed Saleh

Southern New Hampshire University

CS 499: Computer Science Capstone

Prof. Wasim Alim

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Throughout the computer science program, I explored different possibilities; with each course I either develop a completely new skill or strengthen acquired skill already. The career choices have been great as technology is evolving, we must adapt with market changes. As a computer programmer my career choices have been evolving with every job opportunity.

My career has progressed from desktop programming using VB 6.0 and Access to roles as a .NET ERP Developer, MS Dynamics Developer, and Web Application Developer, eventually advancing to my current position as a Senior Product Engineer.

Currently, I am focusing on two key areas: Cloud Engineering and Academic Research. Professionally, I aim to enhance my expertise by earning multiple cloud certifications from AWS and GCP to strengthen my skills in this domain. Additionally, I am dedicating time to deepening my understanding of Linear Algebra applications, particularly their practical implementations in technology. I recently started a new Linear Algebra course called “Coding The Matrix” with Brown university where we practice Linear Algebra concepts in python without library. Also, I’m aiming to get AWS Certified Solutions Architect – Associate as a starting point after I got AZURE-900.

My update on the project is working on the database side, as I want to migrate both projects to different databases. After this step, I will work on updating the code base.

Status Checkpoints for All Categories

Artifact: Web Application (Pet Shelter)

I finished all the necessary work on the project and provided a readme file to show the process of installing the dependencies and screenshots

Checkpoint	Software Design and Engineering	Algorithms and Data Structures	Databases
Name of Artifact Used	Pet Shelter		
Status of Initial Enhancement	Done	Done	Done
Submission Status	Done	Done	Done
Status of Final Enhancement	Done	Done	Done
Uploaded to ePortfolio	Done	Done	Done
Status of Finalized ePortfolio	Planned	Planned	Planned

Artifact: Mobile Application

I finished the UI part and added the search, as the current moment I'm working on changing the current database to Firebase which involves refactoring the entire project again back.

Checkpoint	Software Design and Engineering	Algorithms and Data Structures	Databases
Name of Artifact Used	Mobile App		
Status of Initial Enhancement	In Progress	Done	In Progress
Submission Status	In Progress	In Progress	Work in Progress
Status of Final Enhancement	Not Completed	Not Completed	Not Completed
Uploaded to ePortfolio	Not Completed	Not Completed	Not Completed

Status of Finalized ePortfolio	Planned	Planned	Planned
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