**6-1 JOURNAL**

BREANNA C SMITH

SOUTHERN NEW HAMPSHIRE UNIVISERTY

COMPUTER SCIENCE CAPSTONE

PROFESSOR MARYANN KRUPA

OCTOBER 6, 2024

**PART ONE:**

For this journal, I have selected Remote Work Technologies and Cloud Computing as two transformative technologies that have significantly impacted the industry.

1. **What is the identification and description of each technology?**

Remote technologies such collaboration platforms such Microsoft Teams or Zoom enable the execution of tasks traditionally performed in an office environment, now carried out with the convenience of working from home. These tools facilitate communication and collaboration, bridging the gap between geographically dispersed teams.

Cloud computing refers to the provision of computing services this includes servers, storage, networking, databases and software. All these services are delivered over the internet. Platforms such as Amazon Web Services and Microsoft Azure have revolutionized the way business can now manage IT services and resources. Cloud computing offers scalable on demand solutions without the need for significant physical infrastructure investments.

1. **What are the likely impacts on computer science or your career?**

I am currently working as an IT specialist. As more organizations adopt remote work models, there will be a growing need for IT specialists who can implement and troubleshoot the needs of end users. Mastering remote work technologies can give me the opportunity to work from various locations. The ability to work remotely myself can open up more career opportunities and geographic freedom allowing me to spend more quality time with my family offering working flexibility versus worrying about commute times, parking, and the ability to work without constant interruptions from coworkers or office noise.

1. **How might the two technologies impact humans, communities, or the world?**

Remote work technologies have empowered a more flexible work-life balance, enabling individuals to work from home. This shift has also helped communities reduce carbon footprint and improved job accessibility for people in rural underserved areas. For cloud computing, it has lowered the barrier to entry for small businesses, startups, and individuals by providing access to computing resources without the need for upfront investments in hardware. This also ensures business can continue to function in case of disasters or local systems failures, promoting business continuity and resilience.

1. **Which outcomes have you achieved so far, and which ones remain?**

I have successfully completed all the required milestones to date. My primary focus moving forward is to carefully review and incorporate the feedback I’ve received into my final ePortfolio. This step is crucial to ensure that the quality of my work reflects both my skills and growth throughout the program. Over the next week, I plan to dedicate significant time to refining my ePortfolio, ensure that it showcases my abilities in the best possible light.

.

**PART TWO: CS 499 Status Checkpoints for All Categories**

| **Checkpoint** | **Software Design and Engineering** | **Algorithms and Data Structures** | **Databases** |
| --- | --- | --- | --- |
| **Name of Artifact Used** | **Artifact name:** SHOP HEALTHY!  **Origin:** CS 319 UI/UX DESIGN | **Artifact name:**  SHOP HEALTHY!  **Origin:** CS 360 MOBILE ARCHITECTURE AND DEVELOPMENT | **Artifact name:**  SHOP HEALTHY!  **Origin:** CS 360 MOBILE ARCHITECTURE AND DEVELOPMENT |
| **Status of Initial Enhancement** | Revised the initial design concept for the login screen and developed it into a functional login interface using Android Studio. | Developed Barcode application  Added Control Flow Algorithm which request camera permissions before proceeding | COMPLETED. |
| **Submission Status** | Submitted with feedback from the instructor | COMPLETED | COMPLETED |
| **Status of Final Enhancement** | Feedback planned but not yet completed applied | Feedback planned but not yet completed applied | IN PROGRESS |
| **Uploaded to ePortfolio** | IN PROGRESS | IN PROGRESS | IN PROGRESS |
| **Status of Finalized ePortfolio** | IN PROGRESS | IN PROGRESS | IN PROGRESS |