Samuel Rincon

Journal

My career aspirations have remained consistent. Initially, I envisioned a career in software engineering with a focus on backend development and database management. Over time, my experiences in coursework and hands-on projects have reinforced this choice. The exposure to various programming languages and frameworks has solidified my confidence in this path.

I have not changed my career plans because each course has strengthened my interest in software engineering and confirmed my ability to perform well in this field. My thinking has evolved to include a greater appreciation for the interdisciplinary nature of software engineering, recognizing the importance of collaboration, problem-solving, and continuous learning. I have conducted research on industry trends, job market demands, and potential career growth, which has led me to consider pursuing certifications in cloud computing and database administration. Advanced degrees remain a possibility for the future, depending on career progression and interests.

I have achieved course outcomes related to software engineering principles, data structures, and database management. I have developed proficiency in designing efficient algorithms, structuring scalable applications, and optimizing database performance. The remaining outcomes include advanced security implementations and further refinement of my software development practices.

**Status Checkpoints for All Categories**

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| --- | --- | --- | --- |
| **Checkpoint** | **Software Design and Engineering** | **Algorithms and Data Structures** | **Databases** |
| Name of Artifact Used | E-commerce web application | Binary Search Tree Implementation | Animal Shelter Management |
| Status of Initial Enhancement | In progress | In progress | Indexed search added |
| Submission Status | Not yet submitted | Not yet submitted | Submitted for review |
| Status of Final Enhancement | Pending | Pending | In progress |
| Uploaded to ePortfolio | Pending upload | Pending upload | Pending upload |
| Status of Finalized ePortfolio | Pending completion | Pending completion | Pending completion |