Binaya Rimal

02/02/2025

Capstone – Milestone 3

Part One:

I started studying computer science with the goal of becoming a Software Engineer. However, given the current market, the constant need to learn new technologies, and my strengths and weaknesses, I’ve decided to pivot into a career that leverages my knowledge without requiring me to code extensively. The roles I’m considering include Technical Sales Engineer, Systems Analyst, IT Consultant, and Project Manager. I believe my resume has the experience needed to secure these positions. I have experience as a Software Engineer Intern at JPMorgan Chase, as well as a background in sales. With this combination, I’m confident that I’m well-suited for a role that serves as a liaison between technology and business.

Through my research into this field, I realized that while I love coding and problem-solving, I don’t see myself pursuing it long-term. I enjoy coding, but I don’t particularly enjoy constantly learning new frameworks and languages. My research indicates that a Sales Engineer role would be a great fit for me. I have a natural acumen for demoing software and helping clients understand how it can benefit them, which aligns well with the responsibilities of a Sales Engineer.

I am almost done with my degree; I have three classes left to finish after which I will graduate. I’ve just started polishing my resume and will start the job hunting process pretty soon.

Part Two:

* Software design and engineering

I’ve completed the code conversion from Java to Kotlin for all of my Java files except for the database file. The database will need a complete overhaul, which I plan to tackle in my next milestone, so I haven’t worked on it yet. There are also other enhancements that need to be made, particularly in the permissions section, but these will require changes to the database first.

* Algorithms and data structures

I’ve implemented a sorting algorithm that sorts data from most recent to least recent, further enhancements will be made later that gives users the option to pick what order they want the data to be displayed.

* Databases

Databases have not been worked on yet.

**Status Checkpoints for All Categories**

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| --- | --- | --- | --- |
| **Checkpoint** | **Software Design & Engineering** | **Algorithms and Data Structures** | **Databases** |
| **Name of the Artifact Used** | **Event Tracker** | **Event Tracker** | **Event Tracker** |
| **Status of Initial Enhancement** | **Completed** | **Completed** | **Not Started** |
| **Submission Status** | **Submitted** | **Submitted** | **Not Started** |
| **Status of Final Enhancement** | **In Progress** | **In Progress** | **Not Started** |
| **Status of Finalized ePortfolio** | **In Progress** | **In Progress** | **Not Started** |