

Professional Self-Assessment

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Going into the software engineering field, I have taken some time to think about my skills, experiences, and how I can grow in this field. One of my skills is problem-solving. I enjoy figuring out tough problems and coming up with solutions. I find challenges exciting and like to tackle technical issues head-on using all the tools I have. My creativity also plays a significant role in my work as I love designing user-friendly apps, making sure they are aesthetically pleasing and easy to use. I am adaptable and can quickly learn new things, such as new technology and programming languages, to improve my skills. I value teamwork and enjoy collaborating with others to achieve common goals. I seek feedback and see different points of view, which help me work better.

In developing the Enchanted Contact Management System, I effectively applied my knowledge of algorithms and data structures by using a HashMap to optimize contact management. This demonstrated strong coding skills by creating a simple system for the users to search, update, and delete from the system. The unit testing highlighted my attention to detail and commitment to ensuring the reliability of my code. Throughout the project, I overcame challenges related to error handling by using the tools provided to me, such as notes and past class books. In developing the Weight Tracker app, I demonstrated strong technical skills in Android development and database management through the implementation of Room persistence library. The process of adding and editing features challenged my problem-solving skills, especially when it came to making a user-friendly design. This project helped me learn the importance of collaboration, as feedback from my professor and tutors played a crucial role in solving problems and making the app design successful. In developing the enhancement plan for Chada Tech's travel booking system, my understanding of Agile methodologies and user-centered design grew. I got a better understanding of the collaboration between the team members, users, and stakeholders, also being the common ground as a leader. Becoming the

leader for a project showcases my leadership skills, user feedback, and commitment to quality assurance. I faced challenges with time management, but this experience has taught me the importance of preparation and adaptability. Overall, all these projects have strengthened my skills in software development and reinforced my passion for technology.

However, I can also recognize that there are areas I am striving to improve and want to learn more advanced concepts. To achieve this, I plan to improve past projects, such as adding new functions and fixing bugs. I also plan to work on new projects to build my portfolio as a professional; some new projects include more phone applications, websites, and data analytics. I plan to take more online courses to get certifications such as IEEE Certified Software Development Professional (CSDP) for experienced engineers, the Certified Secure Software Lifecycle Professional (CSSLP) for security-focused developers, and AWS Certified Developer to be certified to work with Azure. I want to improve my time management since there have been times I've struggled working on multiple projects at the same time and meeting deadlines. Networking is important for my future, so I want to connect with professionals by attending tech events and joining online communities.

The next steps after graduation in the short term include completing several coding projects that showcase my skills; this includes personal projects and contributions to open-source initiatives. I would also like to apply for internships to gain experience in the real world, so working on my resume and portfolio is also important. In the long term, I hope to secure an entry-level position as a software developer or in data analytics where I can apply my knowledge. I plan to learn from the individuals I work with and contribute all my effort to projects. This self-assessment reflects my commitment to growing and developing as I pursue my professional journey and make an impact on the tech industry. I am excited to use my skills in the future while also working on my weaknesses to achieve my goals.

