Applied Software Engineering
(SIT725)
Pass task 1.1

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Programming Skills Submission

My Programming Background

I've been working in tech for a few years now, mainly doing DevOps and cloud stuff. It's been a good journey so far, but I'm excited to expand into proper software development with this unit.

What I Know

Database Stuff

- SQL - I use it regularly for work. Pretty comfortable with writing queries and setting up databases.

Cloud & DevOps (This is where I spend most of my time)

- Azure is basically my second home at this point. I work with it every day.

- Kubernetes and AKS - I manage containers and clusters regularly.

- Docker - Yeah, I containerize everything these days

- Git - Can't live without it. Use it for all my projects.

- CI/CD and Jenkins - I've set up quite a few automated pipelines.

- Azure Monitor - Always keeping an eye on how things are performing.

- Cloud security - Important stuff, I make sure everything's locked down properly.

- Networking and automation - I automate whatever I can because manual work is tedious.

JavaScript Situation

I'm okay with JavaScript. I've done some web projects, and I can get by with the basics. I know enough to work with DOM stuff and handle events, and I've used it for some automation scripts in my DevOps work. Nothing too fancy, but I'm not starting from zero either. I figure this unit will help me get more solid with it.

What Gets Me Excited

I really love working on Azure cloud solutions. There's something really satisfying about taking a small application and figuring out how to make it handle thousands of users without breaking. Scaling problems are fun to solve.

My Target

Going for HD on this one. I know it'll be challenging since I'm stepping outside my comfort zone, but I don't do things halfway. If I'm going to learn web development, I want to do it properly.

My Plan

Already started looking at the LinkedIn Learning stuff. My GitHub is ready to go, and I can see the OnTrack system. I'm planning to spend extra time on the JavaScript fundamentals since that's where I need the most work.

Really looking forward to seeing how my cloud knowledge fits together with actual application development. Should be interesting!