Esther NG

Software Engineer

C++ & Python | AWS Certified Cloud Practitioner | DevOps Enthusiast

🏠 Kuala Lumpur, MY   ✉ esther.ng@outlook.my

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Passionate software engineer with a strong foundation in C++ and Python, experienced in developing high-performance desktop applications and automating testing workflows. Enthusiastic about cloud computing and DevOps, with hands-on experience in AWS and Azure CI/CD. Committed to continuous learning and delivering impactful software solutions.

⚙ SKILLS

TECHNICAL

- Language: **C++**, **Python**, Typescript, C#, Bash, Powershell.
- Frameworks/Tools: MFC, React, NodeJS, PyTest, Unittest, Docker.
- DevOps/Cloud: Azure CI/CD, AWS EC2, AWS ECS
- Others: Git, Linux OS

SOFT

- Attention to details.
- Good critical thinking skills.
- Excellent time management.
- Accountable and reliable team member.

🎓 EDUCATION

Modern C++ Academy

Materialise Sdn Bhd | June 2023 – November 2023

- Project – *Drawing Application (MFC, C++)*

Bachelor of Engineering (Honours) in Biomedical Engineering

Universiti Tunku Abdul Rahman | 2018 - 2022

CGPA: 3.7461/4.0000 (Honours Degree with Distinction)

Malaysian University English Test: Band 5

- Integrated Design Project – *Mobile Application: Medication Advisor in Outpatient Setting*

💼 WORK EXPERIENCE (3+ yrs)

2024.04 - Present

Software Engineer

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- Developed and maintained high-performance C++ & C# desktop applications.
- Diagnosed and resolved bugs by conducting root cause analysis.
- Led code reviews to uphold coding standards, fostering a culture of quality and collaboration.
- Streamlined Azure CI/CD pipelines, enhancing build and test efficiency by automating key processes and reducing deployment time.
- Explored and integrated AWS services to optimize product workflows.
- Leveraged AI tools such as GitHub Copilot to accelerate coding tasks, reduce boilerplate, and improve development efficiency.

2022.06 - 2024.05

Software Test Engineer

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- Leveraged Python to create test plans. Automated installation testing to free up 85% manual testing resources.
- Modified release pipeline in Azure DevOps to parse report summary on MS Teams channel through webhook.
- Developed a Docker-based parallel testing solution that won 1st place in a hackathon, significantly reducing test execution time.