FIONA SEAH SHU HUI

SYSTEM / SOFTWARE ENGINEER @ ST ENGINEERING

CONTACT

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SKILLS

- **Technical & Development Skills**
  - Java | JavaFX | ReactJS | Python | HTML |CSS | MySQL | Full-Stack Development | Software Development | Bug Troubleshooting | System Patching | Vulnerability Research (CVE)
- **System & Operational Skills**
  - System Administration | System Monitoring | Preventive Maintenance | System Operations | Technical Support (Remote & On-site) | User Issue Resolution
- **Collaboration & Process Skills**
  - User Acceptance Testing (UAT) | User Training | Presentation | Meeting Facilitation | Minutes Taking | Team Collaboration | User Guidance

EDUCATION

- **Singapore Institute of Technology (SIT) & University of Glasgow (UoG)**
  - Bachelor of Science with Honors in Computing Science, 2020 – 2023
- **Republic Polytechnic**
  - Diploma in Electrical and Electronic Engineering, 2016 – 2019

PROFILE

Systems and Software Engineer with experience in full-stack application development and sensitive system operations.

Skilled in Java and JavaFX development, system administration, and vulnerability management.

Proven in delivering technical support, leading user acceptance testing, and facilitating project communications.

WORK EXPERIENCE

Singapore Technologies Engineering Ltd.   Oct 2022 - PRESENT

System Engineer

Appointed to maintain sensitive defence system operations.

- System Administrative & Maintenance
  - Conduct regular system checks and preventive maintenance activities at client sites as one of the key engineers.
  - Performed workstation hardening based on CIS Benchmarks and conducted Nessus scans to verify compliance.
  - Lead researched Common Vulnerabilities and Exposures (CVE) and assisted in system patching
- Technical Support & User Assistance
  - Provide Level 2 and Level 3 support to external users, assisting with system issues and guiding them through troubleshooting steps.
- Team Collaboration & Project Communication
  - Work closely with internal teams to uphold system reliability, security, and operational readiness.
  - Serve as the main presenter during meetings with project customers and prepare meeting minutes to document discussions and action items.

Software Engineer

Appointed to perform full-stack application development

- Full-Stack Application Development
  - Developed an MVP Kanban board application that enables multiple user groups to manage and move tasks across columns, using ReactJS, NodeJS, and MySQL.
  - Developed a Flutter mobile application with an automated email notification sent to the relevant department upon account deletion.
  - Assisted in developing an interactive map using ArcGIS and TypeScript that allows users to select locations and view their latitude and longitude.
  - Led the development of a collaborative form and mapping application using JavaFX for the frontend and Java for the backend, and troubleshot software issues to ensure application stability.
- User Testing & Training
  - Conducted User Acceptance Testing (UAT) and guided users through the process
  - Created and delivered user training sessions as the main presenter