**PAING SU SAN**

**SENIOR SOFTWARE ENGINEER**

Singapore |  moonps111@gmail.com| A black phone receiver in a yellow circle

Description automatically generated (+65)98939279

[LinkedIn](https://www.linkedin.com/in/paing-su-san-246951166/) | [GitHub](https://github.com/PaingSu) | [Paing Su San Porfolio](https://www.paingsusan.com)

**PROFESSIONAL SUMMARY**

Experienced Software Engineer with a proven track record spanning over five years of experience in Software Analysis Engineering. Enthusiastic about collaborating with cross-functional teams to deliver high-quality results for complex software systems. Goal-oriented and skilled in **system design**, **problem-solving**, **programming**. Seeking a challenging opportunity in the IT sector to create scalable and efficient software solutions, making a positive impact in a dynamic organization that encourages personal and professional growth.

**EMPLOYMENT HISTORY**

**(1) Senior Software Developer at Paeonia Innovations Pte Ltd Nov 2023 – Present**

**Led the development of robust WPF applications for both fuel analysis in the oil and gas industry and spectrometer development for agricultural applications, leveraging C# and .NET framework.**

**FuelAnalyzer Features Development**

* Developed modules for fuel concentration analysis with real-time and normal modes, enhancing operational flexibility.
* Implemented a login module for differentiated user access (admin/demo).
* Impact: Delivered precise fuel analysis, improving decision-making for customers.

**Spectrometer Development**

* Designed a user-friendly interface for measurement settings, including wavenumber range configurations.
* Developed logic for conditional measurements and enhanced the Admin Instrument Settings module.
* Impact: Delivered reliable measurements and streamlined user configuration.

**WI Model E Cost Savings Calculator**

* Built a multi-language cost calculator in C# .NET (English, Spanish, Chinese, and Indonesian).
* Impact: Expanded global reach and enhanced communication for international sales.

**Company Website Development**

* Developed a modern, responsive website using React, with animations, EmailJS integration, and a CI/CD pipeline.
* Impact: Strengthened online presence and automated deployment processes.

**Admin Module with Advanced Features**

* Developed tools for secure data control and database management.
* Integrated multilingual support for FuelAnalyzer.
* Impact: Enhanced security and simplified internal operations.

**Validation, Error Handling, and Self-Diagnostics**

* Improved validation, error messaging, and diagnostics modules in both FuelAnalyzer and Spectrometer.
* Impact: Reduced errors and improved system reliability.

**History Tracking, Data Export, and Database Connectivity**

* Implemented historical data tracking, export functionality (CSV/PDF/SPC), and database integration.
* Impact: Enhanced data management and reporting capabilities.

**Team and Project Leadership**

* Led a software team, mentored developers and interns, and ensured project milestones were met.
* Managed version control with Git, ensuring efficient collaboration.
* Delivered the FuelAnalyzer and Spectrometer projects on time, with global deployment.

**(2).Net Developer at Jobline Resources Pte Ltd Dec 2021 – Nov 2023**

**Work Location : Singtel Telecommunication**

* Developed and maintained **ReactJS front-end components** for customer-facing web application
* Implemented **RESTful APIs** using **.NET Core** to facilitate communication between the front-end and backend systems.
* Gathered and analyzed business **user requirements** and providing **technical solution designs**.
* Collaborated in **Agile** development methodologies with cross-functional teams for successful and timely project delivery.
* Took ownership of providing technical support to customers, promptly resolving issues and concerns to ensure client satisfaction with **Level 2 (L2) support**.
* Contributed to knowledgebase articles and training materials to empower customers with self-help resources.
* Proactively assisted customers in troubleshooting and resolving technical issues with **.NET applications.**
* Skilled in analyzing and escalating complex issues for timely resolution.
* Collaborated with the development team to identify and resolve software bugs.
* Kept up-to-date knowledge of company products and services, facilitating smooth renewal processes, for DNS Support, CyberArk, and SSL services.

**(3) Development and Operation Engineer at DBS Bank Aug 2018 – Dec 2021**

* Analyzed, designed, and developed onboarding applications for the bank's enterprise **access provisioning system (One Identity).**
* Handled ID/Entitlements/Security Groups based on access matrix department code.
* Performed hands-on data preparation for onboarding, reconciliation, and audits.
* Created technical documentation for reference and reporting.
* Gathered and analyzed applications access information for all DBS Staff.
* Took ownership to handle daily BAU operations and maintained matrix accesses for all DBS Staff.
* Successfully participated in migration projects from start to end, meeting project timelines.
* Managed change management for migration project application onboarding and integration of new applications.
* Led training and coaching for new team members.
* Coordinated User Acceptance Testing (UAT) for successful deployment of changes.
* Developed an application using **VB.Net** to streamline data synchronization and access management.
* Designed custom forms to improve user experience and data accuracy.

**Achievements:** Played an instrumental role in promoting the success of the team, leader, and organization during the timeline migration project. Fostered a positive and collaborative work environment, contributing to team motivation and excellence.

**(4) Software Engineer Intern at Startin Point Company Ltd (Singapore) Mar 2018 – July 2018**

* Developed and implemented a Student Registration System using Java Spring MVC, Hibernate, Spring Security, Rest API Web Service, and MySQL Workbench.
* Designed and implemented a real-time Chatting Application using Firebase, Firebase Database, HTML, JQuery, and JavaScript.
* Collaborated to building a Family Application using Java Spring MVC, Hibernate, Spring Security, Rest API Web Service, MySQL Workbench, HTML, Bootstrap, JQuery, and JavaScript. Played a key role in developing core functionalities and enhancing the application’s usability.

**(5) Junior Software Engineer, Grape City Company Ltd (Myanmar) Dec 2016 – Jun 2017**

**Microsoft Solution Service Provider**

* Wrote comprehensive test cases and conducted both manual and automated testing for company tools, ensuring the delivery of high-quality software products.
* Developed and contributed to various projects, utilizing a wide range of technologies and tools to meet project requirements and objectives.
* Leveraged coding techniques to automate UI testing, resulting in improved efficiency and test coverage.
* Collaborated with cross-functional teams to ensure seamless integration of testing processes and successful project outcomes.

**Achievements:** Actively contributed to the successful completion of multiple projects, honing testing and automation skills in a diverse technological environment.

**EDUCATION**

* **National University of Singapore** ***Singapore***

***Graduate Diploma in Systems Analysis, Institute of Systems Science***  2017-2018

* **University of Technology (Yadanarpon Cyber City**) ***Myanmar***

***Bachelor of Engineering (Information Science and Technology)*** 2011-2017

**SKILLS**

***Programming***: C#.NET | C#.NET Web API | WPF Application Development | ReactJS | Angular | HTML5 | JavaScript | CSS | Bootstrap | JQuery | API (SOAP/RESTful/AJAX) | TypeScript

***Database***: Mongo DB | MySQL | SQL Server | MS Access | MySQL Workbench

***Data Format***: JSON, CSV, XML, SPC

***Version Control***: Git

***Web Security:*** Knowledge of secure coding, HTTPS vs HTTP, cookies, tokens, headers

***Methodologies and Abilities:*** Agile Methodologies (Scrum) | Test-Driven Development (TDD) | CI/CD | Problem-Solving | Self-Directed Learning | Leadership | Collaboration | Effective Communication

***Proficiency in Productivity tools:*** Jira and Confluence

***UI/UX and Integration***: User Interface Design | Responsive Web Design | UI/UX principles (industrial touch-screen PCs) | Self-Diagnostics Implementation | Custom Dialog Creation | Livechart Integration| Data Export and Reporting (CSV, PDF, SPC)

***DevOps Tools:*** BitBucket, SonarQube, Jenkins, Kubernates