PAING SU SAN

SENIOR SOFTWARE ENGINEER

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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 Innovation 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.

- **Designed and implemented features:**
  FuelAnalyzer - Developed algorithms and functionalities in C# for analyzing ethanol, methanol, denaturant, and water concentrations, providing critical insights for industrial processes.
  Spectrometer - Developed algorithms and functionalities in C# for analyzing the measurement values of Wavenumber From and Wavenumber To based on Spectrometer product numbers.
- **User-friendly interface development**: Leveraged WPF to create an intuitive user interface allowing seamless initiation of measurements and real-time visualization of concentration values.
- **Data export functionality:** Utilized C# to implement a feature enabling users to save measurement values to CSV and PDF files for further analysis, ensuring data accessibility and compatibility.
- **Self-diagnostics module**:
  FuelAnalyzer - Engineered a self-diagnostics module in C# to assess instrument standardization, ensuring the accuracy and reliability of results in the WPF application.
  Spectrometer - Integrated functionalities similar to the fuel analyzer while adding features for user-uploaded background files and scanning new backgrounds.
- **Custom dialog development:** Developed a custom dialog in WPF and C# to address usability concerns on industrial PCs, allowing users to easily change the save location for exported data. Also fixed the UI design and form dialog to be responsible for touch screen pcs.
- **Integration of livechart functionality:** Integrated livechart functionality using C# within the WPF application to display scan results of air backgrounds, enhancing user visualization and understanding of data.
- **Database connectivity**: Connected the WPF application to a database using C#, enabling users to view and export historical measurements in various formats including PDF and CSV, facilitating comprehensive data analysis and reporting.
- **Project Completion:** Successfully completed the '**FuelAnalyzer'** project within a two-month timeframe. The application has been deployed to customers worldwide and is currently in use, demonstrating its effectiveness in meeting industry needs. Continuously involved in the testing phase to ensure the ongoing quality and reliability of the solution. For the '**Spectrometer'** application has been successfully

deployed to farmer companies and is actively in use, meeting the specific needs of agricultural applications.

Version Control Implementation: Implemented version control using **Git** for all projects, ensuring efficient collaboration, tracking of changes, and maintaining project history.

Team Management: Managed a software team consisting of one part-time developer and two interns, providing guidance and oversight to ensure project milestones were met and quality standards were maintained.

Upcoming Project: Leading the development of a company website using REACT and a mini-program for internal chemical and electrical engineer calculator applications (C#.Net).

(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 | JavaScript | CSS | Bootstrap | JQuery | API (SOAP/RESTful/AJAX) | TypeScript

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

Version Control: Git

Methodologies and Abilities: Agile Methodology | Problem-Solving | Leadership and Management | Collaboration | Effective Communication | Technical Expertise

Proficiency in Productivity tools: Jira and Confluence

UI/UX and Integration: User Interface Design | Self-Diagnostics Implementation | Custom Dialog Creation | Livechart Integration| Data Export and Reporting | Project Management | Problem Solving and Troubleshooting

Data Format: JSON, CSV, XML

DevOps Tools: BitBucket, SonarQube, Jenkins, Kubernates