



KAUNG SITHU LINN

Software Engineer

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Summary

Results-driven Software Engineer with 4 years of experience in designing, developing, and implementing high-quality software solutions. Proficient in multiple programming languages including Java, Python, C++, and JavaScript, with a strong understanding of object-oriented programming, algorithms, and data structures. Experienced in collaborating with cross-functional teams to deliver efficient and scalable applications using Agile methodologies. Skilled in troubleshooting and optimizing system performance, with a commitment to continuous learning and staying current with industry trends.

Education

Higher National Diploma of Software Engineering (Level 5)

INET IT ACADEMY

Mar, 2018 - Oct, 2022

Bachelor of Information Technology

James Cook University Singapore

Nov, 2022 - Feb, 2024

Master of Information Technology Major in Business Informatics

James Cook University Singapore

Mar, 2024 - Apr, 2025

Technical Skills

Java, Python, C++, JavaScript, HTML5, CSS, SQL, Microsoft .NET, Agile Methodologies, Object-Oriented Programming, Algorithms & Data Structures, System Testing, Troubleshooting, User Interface Design, Microsoft Azure (Foundational Knowledge), Windows Server (Basic Understanding)

Soft Skills

Work Experience

eVolva Software House

Dec, 2018 - Present

Software Developer and Client Tester

Collaborated with cross-functional teams to design, develop, and implement software solutions, including a POS system using Microsoft .NET. Worked with stakeholders to translate business requirements into technical specifications. Applied software engineering best practices, including object-oriented programming and algorithm optimization, across the full software development lifecycle. Upgraded legacy systems and troubleshooted technical issues to ensure system reliability.

- Developed a POS system using Microsoft .NET to streamline stock and inventory management, improving operational efficiency.
- Upgraded an outdated Microsoft Access (Office 2003) POS system to a modern SQL standalone application, enhancing performance.
- Resolved LAN interference issues with the VPN network by implementing a custom tunneling solution, ensuring stable connectivity.
- Delivered an optimized POS system that increased store efficiency by over 50%, reducing transaction time and improving inventory tracking.

Projects

Mouse Dynamics for Online Assessment Fraud Detection

May, 2024 - Nov, 2024

<https://colab.research.google.com/drive/1I1Gv8M3BtDIQshhN0-bvQv6fRgkX5JBV?usp=sharing>

Led the development of a software system for fraud detection using mouse dynamics. Implemented data collection, processing, and machine learning algorithms in Python. Collaborated with a team to define project requirements and ensure system reliability, utilizing Agile methodologies.

- Implemented feature selection techniques and evaluated multiple machine learning models, achieving high accuracy in fraud detection.
- Identified key mouse dynamics features that are most discriminative for user authentication.

Continuous Authentication with Behavioral Biometrics

May, 2024 - Nov, 2024

https://colab.research.google.com/drive/1bMbzP5Elwc7sxYHGzKjRm_J_CBnw1w?usp=sharing

Conducted a literature review on behavioral biometrics for continuous user authentication, focusing on mouse dynamics and keystroke analysis. Researched methods, challenges, and proposed improvements.

- Identified key research gaps and proposed a novel authentication method using real-time behavioral biometric information security (RBBIS).
- Developed a research framework and work plan for implementing and evaluating the proposed method.

Collaboration, Problem-solving,
Communication, Time management, Result-oriented

Additional Skills

Public Speaking, Writing, Research

Languages

English, Burmese, Chinese, Japanese

Certifications

- Bachelor of Information Technology [James Cook University Singapore • March 7, 2024]
- Google Data Analytics I Google
- The Fundamentals of Digital Marketing [Google Digital Garage • April 3, 2023]

Mouse Dynamics Biometric Fraud Detection System using Deep Learning

May, 2024 - Nov, 2024

<https://colab.research.google.com/drive/1hjjoW9GNcjcy7Fw2J4MiMk3ql0uxXRcV?usp=sharing>

Developed a fraud detection system using mouse dynamics and deep learning in Python to enhance online assessment security. Participated in the full development lifecycle, from planning to deployment.

- Implemented data preprocessing pipelines achieving 100% data usability.
- Engineered 12 optimized feature sets using advanced selection methods.
- Developed and tested multiple deep learning models (ANN, LSTM, LSTM-CNN, LSTM-Transformer).
- Built data visualization tools to monitor system performance.
- Exceeded project goals, achieving 95% detection accuracy and a false negative rate below 5%.