MYAT THIHA NAING

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PROFILE

Holding a Graduate Diploma in Systems Analysis from NUS ISS and a Bachelor's degree in Embedded Systems, I have a solid foundation in computer technology and software development. My role as a Mobile Security Engineer at V-Key Pte Ltd, Singapore, has honed my skills in **Java, Android SDK, and NDK,** specializing in Android security. Additionally, I am well-versed in full-stack development, with experience in **Spring Boot, ASP.NET, and Reactjs**. I am adaptive, innovative, and eager to learn and grow. I thrive on challenges and am excited to contribute my technical expertise to a dynamic team.

TECHNICAL SKILLS

Language: JavaScript, C#, Java, Python

Frond End: HTML5 & CSS, ReactJS, Tailwind, Bootstrap, jQuery

Backend: ASP.NET, Java Spring Boot, NodeJS, Spring-Security

Database: MSSQL, MYSQL, MONGODB

Version Control: GIT

Containerization: Docker

Cloud Services: AWS-EC2, AWS-S3, AWS-CloudFront

EDUCATION

National University of Singapore (ISS)
Graduate Diploma in Systems Analysis, FEB 2023 to Mar 2024

University of Computer Studies, Mandalay
B.C.Tech (Embedded Systems) in Business Administration, 2013 – 2019

CERTIFICATES

IBM Data Analyst

WORK EXPERIENCE

V-Key Pte Ltd, Singapore – Mobile Security Engineer (Sept 2023 – April 2024)
- *Security Research:* Leveraged Android SDK and NDK to enhance existing security features, discovering new techniques and documenting findings on Confluence.
- *Security Feature Development*: Designed and implemented innovative security features based on research findings. Authored detailed documentation and instructions for the testing team and presented these features to clients during meetings.
- *Security Feature Maintenance*: Addressed customer reports on false positives and false negatives in malware detection. Reproduced reported issues, investigated root causes, and used Android SDK and NDK to resolve bugs, making necessary redesigns.
- *Automate Assets Generation*: Conducted user interviews to create user stories, use case diagrams, flowcharts, and database designs (RDBMS). Thoroughly documented the design process.
- *Sprint Planning and Reporting*: Managed sprint planning and reporting using *Jira*, ensuring timely delivery of security solutions to the customers.

TH Rice Mill Factory – Business Manager (March 2019 - December 2022)

- *Vendor Management*: Collaborated with rice grain suppliers to ensure a consistent and high-quality supply, negotiating terms and maintaining strong relationships.
- *Inventory and Stock Management*: Oversaw the inventory of rice products, ensuring accurate tracking, efficient stock levels, and timely replenishment to meet production and sales demands.
- *Labor Management:* Supervised and coordinated a team of workers, managing schedules, delegating tasks, and ensuring productivity and compliance with safety standards.
- *Sale and Marketing*: Occasionally engaged in sales and marketing activities, promoting products, developing sales strategies, and expanding the customer base to increase revenue.
- *Financial Management*: Calculated and analysed daily and monthly revenue, providing insights into financial performance and ensuring accurate reporting for informed decision-making.

ACADEMIC PROJECTS

Shopping Cart Application (ASP.NET Core Functionalities)

- *Frontend Development:* Implemented frontend using C# Razor View, including shopping cart, authentication, browsing, and checkout pages.
- *Shopping Cart:* Added AJAX to the shopping cart for smooth updates and easy navigation across pages.
- *User Access:* Set up a secure login system with access to user accounts and purchase history.
- *Search & Purchase Records:* Added search, browsing features, and managed activation codes and purchase records.
- *User Feedback:* Built a system for users to leave reviews and ratings.

Course Application System (Java, Sprint Boot, Thymeleaf)

- *Comprehensive UI:* Designed and developed an intuitive user interface for managing campus-related content, enhancing user experience and accessibility.
- *Role-Specific Interfaces:* Implemented admin features for overseeing and managing records of students, lecturers, and courses, including role-based access controls.
- *CRUD Operations:* Engineered robust CRUD functionalities for managing courses, lecturer profiles, and student records using MySQL and Java Spring Boot.
- *Full-Stack Development*: Delivered end-to-end solutions encompassing both frontend and backend development, utilizing **Java, Spring Boo**t, **Thymeleaf template engine**, and **JavaScript** to create a seamless and efficient system.

WBGT, Android Application (Wet Bulb Globe Temperature)

- *Collaboration:* Partnered closely with backend and machine learning teams to integrate API data for heat stress analysis, ensuring seamless data consumption and processing.
- *Location Tracking*: Implemented location tracking to enhance the accuracy of heat stress predictions based on the user's geographical context.
- *Data Visualization:* Developed features to display predictive heat stress data for both the current day and the upcoming week, providing users with comprehensive and actionable insights.
- *Push Notification:* Cloud Messaging to send alerts to users when predictive heat stress levels were high, helping to prevent potential heat-related health issues.

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PERSONAL PROJECTS

AkhanShar, Room Rental Application (Spring-boot, MySQL, Redis, AWS-S3, AWS-CloudFront, React, Tailwind)

- *Back-end Development:* Utilized Spring Boot for developing the backend, with MySQL for robust database management, and Redis for efficient caching to enhance performance.
- *Cloud Integration:* Implemented AWS S3 for secure image file storage and AWS CloudFront as a Content Delivery Network (CDN) to ensure fast and reliable content delivery.
- *Advanced Search:* Developed a specification-based API to enable advanced search functionality,

allowing users to find rental listings that match specific criteria.

- **Efficient Data Retrieval**: Integrated pagination mechanisms for efficient data retrieval, ensuring smooth user experience even with large datasets.
- **Security:** Employed JWT (JSON Web Token) for secure authentication and authorization, safeguarding user data and managing access control.
- **Front-end Development:** Built a responsive and user-friendly frontend using React, styled with Tailwind CSS for a modern and consistent user interface.