

# SOE MIN THANT

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## SUMMARY

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As a full-stack software engineer skilled in C# ASP.NET, Java Spring, and JavaScript technologies like ReactJS and NodeJS, I have proven experience in both Frontend and Backend development. I focus on designing high-performance software architectures that are clean and maintainable, with strong attention to detail and a commitment to continuous learning.

## SKILLS

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- **Languages:** JavaScript/TypeScript, C#, Java, Ruby
- **Frontend:** ReactJS, Tailwind, HTML5 & CSS
- **Backend:** ASP.NET, Java Spring Boot, NodeJS
- **Databases:** MSSQL, MySQL, Elastic, PostgreSQL
- **Tools and Technologies:** Git, Jest, Docker, Jenkins, Argo

## EDUCATION

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**National University of Singapore** **Feb 2023 - May 2024**  
Graduate Diploma in Systems Analysis

**University of Gloucestershire** **Jun 2019 - Jul 2020**  
Bachelor of Science in Computing with Second Class Honours

**Gusto College of Computing** **Jul 2016 - Oct 2018**  
HND Diploma - in Computing and Systems Development

## WORK EXPERIENCE

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**Research Software Development Engineer** **Jul 2024 - Present**  
Singapore-MIT Alliance for Research and Technology

- Developing full-stack software solutions to support interdisciplinary research on human-AI collaboration, as part of the "Mens, Manus and Machina" (M3S) program.
- Leveraging a MERN stack (React, Express, Next.js, and MongoDB) to build scalable, user-centric applications for research and data analysis.
- Integrating AI to enhance human capabilities, designing tools that facilitate innovative workflows and task assignments between humans and AI systems.
- Collaborating with researchers to build and refine knowledge bases providing insights into human-AI teaming, task allocation, and workflow optimization.

**Software Engineer Intern** **Sep 2023 - Jan 2024**  
Saltmine

- Conducted full-stack development, contributing to both frontend and backend of the software using MERN stack.
- Implemented seamless bulk-execution actions within the User Management module for enhanced control, resulting in reduced time and manual workload.
- Took part in the architectural revamp of a microservice by developing reusable modules atop REST API endpoints leveraging NestJS's architectural pattern, for sharing with other services.
- Refactored the legacy code of User Activity and Comment actions into a reusable and modular design.
- Designed and implemented a new relational database structure tailored for user activity and comment data, ensuring improved data organization and query performance.

- Created migration scripts to transfer a large set of data from Elastic to Postgres, prioritizing data integrity and minimizing the risk of data loss during the transition process.

## **Junior Web Developer**

**Apr 2021 - Mar 2022**

Seattle Consulting Myanmar

- Implemented backend integration and UI improvements for ads-generating app using Django.
- Developed a redesigned user interface and integrated AJAX calls to enable separate data retrieval and submission processes of internal employee management system.
- Built Frontend UI of HR management web application, utilizing jQuery for interactive user interface.

## **PROJECTS**

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### **Spaceshare (ReactJS, Java Spring)**

Room-mate finding/matching website

- Led a team of 7 on the frontend development for a room-mate finding application aimed to serve at the room-sharing market in Singapore, as part of NUS-ISS graded coursework.
- Implemented React components to wrap UI elements, ensuring code reusability and easier maintenance across the application while streamlining the development process for team-mates.
- Integrated Frontend with Java Spring Backend for seamless API calls within components to fetch data and handle different responses efficiently.
- Collaborated in designing of relational database for efficient data management using MySQL.
- Took part in development of REST API for admin module with Java Spring, for distinct authentication process and integrated for Frontend admin dashboard.

### **Notey (ReactJS, Java Spring)**

Note-taking & Daily Planning Application

- Designed and developed an interactive personal productivity application featuring note-taking, task lists, and planner functionalities.
- Created a responsive UI with draggable elements to facilitate seamless interaction, ensuring a smooth and intuitive user experience.
- Implemented slash commands to provide users with a versatile set of options for increased convenience and flexibility in managing tasks.
- Achieved real-time data persistence by seamlessly saving text changes to a MySQL database with a 2-second interval, enhancing data integrity and reliability.

### **Maid Bot (JavaScript)**

DiscordJS chatbot with User Action Commands

- Developed a chat bot with JavaScript to execute user-specific tasks, including image retrieval, alerting, mentioning, and responding to custom commands, specifically tailored for usage within Discord Servers.
- Built a data storage query to store user-specific and time-based data, essential for enabling real-time alert function.
- Utilized JavaScript, together with DiscordJS for handling dependencies, ensuring seamless integration with the Discord platform.

## **HONOR AWARDS**

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- HND Excellence Award 3rd Prize, 2017