

Lee Zong Han

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EDUCATION

- Nanyang Technological University (NTU)** Singapore, Singapore
Bachelor of Engineering (Electrical and Electronic Engineering) with Honours (Distinction) Aug 2017 - Jun 2021
Courses: Data Structure and Algorithms, Cryptography. **Hall Teams:** Cross country, Swimming, Water Polo. **University Wide:** Aquathlon (Captain), National Vertical Marathon (Event Planner).

CERTIFICATES

- FlexiMasters in Business and Financial Analytics** Singapore, Singapore
Nanyang Technological University Mar 2024 - Aug 2024
Gained skills in artificial intelligence, design thinking, and fintech. This blend allows me to create user-centric, data-driven software solutions, particularly in financial applications.
- Google Data Analytics Professional Certificate** Singapore, Singapore
Coursera Nov 2022 - Dec 2022
Improved proficiency in data analytics tools such as SQL and Tableau. Gained insights on data wrangling considerations such as data quality, structure and types.

EXPERIENCE

- Capata Private Limited** Singapore, Singapore
Software Engineer Sep 2024 - Present
 - Business Requirements:** Led requirements gathering and defined the business logic, aligning with business objectives. Collaborated with joint-venture partner CTO to decide platform requirements.
 - Product Management:** Translated business requirements to technical language for the offshore development team.
- TransAsia Private Capital Limited** Singapore, Singapore
Software Engineer May 2023 - Present
 - Feature Specification:** Spearheaded requirements gathering and defined the Minimum Viable Product scope for a new investment management platform, in alignment with business objectives.
 - System Architecture:** Established the platform's tech stack and core architecture, leveraging JavaScript, ReactJS, Node.js, MongoDB, and Docker. Deployed platform on the cloud, increasing scalability and reliability.
 - Asynchronous Trade Booking:** Built an asynchronous trade management system, reducing trade booking time by more than 90% through automated fund allocation. Users can make concurrent read and writes while maintaining data version integrity and consistency.
 - Real-time Reporting Services:** Developed services that integrate with REST APIs to generate real-time reports to serve investor relations, operations and auditing functions. Reduced average report delivery time from 2h to seconds.
 - User Acceptance Testing:** Collaborated closely with middle office operations to identify, prioritise, and resolve UAT issues. Improved user experience by iteratively refining workflows based on feedback, resulting in smoother operations.
- Micron Semiconductor Asia Pte Ltd** Singapore, Singapore
Data Analyst Jul 2022 - Feb 2023
 - Data Analytics:** Successfully applied data analysis techniques to evaluate experimental data and resolve data exceptions, resulting in a significant improvement in yield outcomes. Led multiple analysis projects to discover potential yield gains totaling to \$150,000/week.
 - Multivariate Testing:** Conducted research through planning and execution of multivariate experiments to solve product failures, leading to a saving of \$80,000/week.
 - Automation:** Scripted SQL queries with python to regularly distribute scheduled dashboards to stakeholders.
- HSL Constructor Pte Ltd** Singapore, Singapore
Project Engineer Jun 2021 - Jul 2022
 - Client Coordination and Collaboration:** Liaised with multiple internal and external stakeholders to retrieve business operation, engineering and regulatory requirements.
 - Project Management:** Optimised project planning, leading to completion of construction and commissioning of 5 substations 2 months before target. Reduced project expenditure by \$140,000.
 - New Vertical Partnerships:** Worked the CEO on the special projects team to study a vertical farming business, valued at \$8 million, and delivered a feasibility study to assist board members and investors in joint-venture decision-making.
- Singapore Armed Forces** Singapore, Singapore
Commando Officer Jul 2015 - May 2017
 - Leadership:** Led a detachment of 14 men through over 10 missions, achieving the REDCON 1 status at the Army evaluation.

OTHER EXPERIENCES

- **Honour Graduate, 70/15 Cohort, Commando Training Institute:** As part of 2-year mandatory military service in Singapore, finished top 10% of 70/15 Commando Small-unit Leaders Course. Performance judged by character, leadership, knowledge, physical and mental abilities. Selected for Officer Cadet School and commissioned. Served as a paratrooper and detachment commander in the 1st Commando Battalion. (July '15-17)
- **Silver Medalist, Rowing, 28th Southeast Asian Games:** Represented Singapore at the Southeast Asian Games in 2015. Runner-up in the Lightweight Men's Four 1000m. (May '15)

SKILLS SUMMARY

- **Coding Languages:** Javascript, Python
- **Tech Stack:** React, Express, MongoDB, Node.js, Docker
- **Soft Skills:** Adaptability, Problem Solving, Initiative, Leadership, Strategic Thinking
- **Spoken Languages:** English (Native), Mandarin (Native)