

Contact Information

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Technical Experience

NGS Dashboard (School Project May 2025 - Present
for Real Commercial Client [ref](#))

Team Lead, Core Designer & Developer

- Designed and implemented a shipment management system handling over 100 monthly deliveries, allowing staff to add, update, and track shipments with customer details, destinations, and delivery statuses.
- Integrated live status updates with automated timestamps, increasing shipment accountability and reducing delays by 30%.
- Integrated an AI-assisted system to extract shipment information from emails and streamline data entry into the database.
- Integrated Gemini API to forecast shipment volumes based on historical delivery data, supporting more informed planning during peak periods.
- Built a clean, responsive interface designed for smooth use on both desktop and tablet devices, supporting warehouse and office workflows.

Thrifty (School Project) Nov 2024 - March 2025

Team Lead, Core Designer & Developer

- Designed and built a thrift marketplace for second-hand sales and donations, filling a gap identified by over 60% of users seeking a single platform for sustainable fashion.
- Implemented an item catalog with search and filtering by category, price, and availability to improve the discovery of affordable second-hand goods.
- Developed a seller dashboard to simplify item listing and inventory management for casual and frequent sellers alike.
- Set up a donation feature to allow users to contribute items for charitable use.
- Integrated email notifications to keep users informed about order updates and donation activity.

Career Objectives

Passionate developer with 2 years of experience building scalable, high-performance applications. Skilled in backend architecture, API design, and fullstack development with a focus on security and maintainability. Excited to learn new technologies and tackle complex challenges with practical, data-driven solutions.

Certifications

Cybersecurity Fundamentals IBM Jul 2024
Web Development Fundamentals IBM Jun 2024

Competitions

DSTA Brainhack 2025 [\(ref\)](#) Participation
Code Overflow 2024 Participation

Skills

Programming Languages

Python	TypeScript
JavaScript	Swift
HTML & CSS	C#
SQL	C++

Technical Skills

Git	.NET (Desktop/Web)
React	Amazon Web Services
GitHub (CI/CD)	Google Cloud
Node.js	Agile Development
Next.js	Tableau

Soft Skills

Empathy	Teamwork
Communication	Critical Thinking
Adaptability	Problem Solving

Education

Nanyang Polytechnic2024 - 2027

Diploma in Information Technology

St Patrick's Secondary School2020 - 2023

GCE O-Levels

- Held a leadership position in the Badminton Team, facilitated day to day operations of the team as well as publicising the cca before and during annual cca fair
- Designed and developed a promotional website for the Badminton CCA to enhance outreach and showcase achievements.
- Participated in Singapore Junior Physics Olympiad

Work experience

Rajah & Tann AsiaSep 2025 - Oct 2025

Information Systems Technology Assistant

- Provided IT support for hardware, software, and network issues via phone, email, and ticketing tools.
- Set up and maintained user devices, managed accounts and access rights, and supported O365, VPN, and printing.
- Documented fixes, tracked assets, and assisted with patching and security hygiene.
- Supported meeting room setups, coordinated vendor repairs, and contributed to training materials.

Lotus Bridge International School SingaporeJan 2024 - Mar 2024

Assistant Teacher

- Supported teachers in daily classroom activities and student supervision.
- Guided small groups and assisted with classroom management.
- Communicated effectively with students of varying personalities and learning styles.
- Collaborated with staff and adapted to different working environments.

NATC InstituteNov 2023 - Dec 2023

Marketing Assistant

- Assisted with competitive research, content creation, and campaign planning.
- Supported social media activity, outreach efforts, and preparation of marketing materials.
- Adapted messaging for different audiences and platforms.
- Managed multiple tasks under tight deadlines with attention to detail and clear communication.

Clubs

NYP Technopreneurship ClubApr 2025 - Present

Operations AssociateApr 2025 - Present

- Administered the AY25/26 Recruitment Drive for the club, gaining 40+ new club members.

NYP Swift App Development ClubApr 2025 - Present

Operations Sub-committeeApr 2025 - Present

- Assisted in facilitating the inaugural event at Apple AMK HQ, supporting event coordination and on-site operations.

Other Projects

Frakt (Pomodoro Productivity Clock)Mar 2024 - Present

Productivity and Time Management Tool

- Built a Pomodoro-based productivity tool to help users improve focus, maintain momentum, and develop sustainable work habits.
- Integrated customizable Pomodoro timers, task tracking, and a minimalist UI for distraction-free sessions.
- Added a Flappy Bird-style mini-game to offer light breaks between Pomodoro sessions.

Velvet Oasis (figma)Nov 2024 - Dec 2024

Luxury Hotel Booking Interface

- Designed a responsive, luxury themed hotel booking experience in Figma focused on clarity, elegance, and ease of use.
- Conducted UX research, wireframing, prototyping, and user testing to address key pain points in high end travel platforms.
- Ensured brand consistency, accessibility, and visual sophistication across all touchpoints.

Pokémon PocketApr 2025 - May 2025

Pokémon Pocket Management Game

- Developed a terminal-based Pokémon management tool/ game
- Implemented features for storing, evolving, and managing Pokémon with a nickname system with SQLite.
- Built using OOP principles to ensure clean structure and future extensibility.

References

Mr Law Guo Rui+65 6550 1618

Lecturer, Nanyang Polytechnic