Daniel Lee Shin Yee

Software Engineer

Contact Information

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Technical Experience

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

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	

Soft Skills

Empathy	Teamwork
Communication	Critical Thinking
Adaptability	Problem Solving

Education

Nanyang Polytechnic   2024 - 2027

Diploma in Information Technology

St Patrick's Secondary School   2020 - 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

Lotus Bridge International School Singapore   Jan 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 Institute   Nov 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.

References

Mr Law Guo Rui   +65 6550 1618

Lecturer, Nanyang Polytechnic

Clubs

NYP Technopreneurship Club   Apr 2025 - Present

Operations Associate   Apr 2025 - Present

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

NYP Swift App Development Club   Apr 2025 - Present

Operations Sub-committee   Apr 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 Pocket   Apr 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.