

LEO HERNANDO TAN

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EDUCATION

National University of Singapore Bachelor of Computing (Honours) in Information Systems

Expected Graduation: **May 2025**

- Specialisation: Financial Technology
- Leadership experience:
 - Operations Director – NUS Entrepreneurship Society
 - Captain – Tembusu College Tchoukball Team

Ngee Ann Polytechnic Diploma with Merit in Mechanical Engineering

Apr 2018 - May 2021

- Diploma Plus in Advanced Engineering Mathematics
- Cumulative GPA: 3.95 / 4.0

TECHNICAL SKILLS

- **BACK-END DEVELOPMENT:** Java | Python | NodeJS | NestJS | Django | Solidity
- **FRONT-END DEVELOPMENT:** TypeScript | ReactJS | NextJS | HTML | CSS | Figma
- **DATA MANAGEMENT:** Google Cloud | SQL | PostgreSQL | Apache Airflow | MongoDB | Supabase
- **DATA ANALYTICS:** Pandas | Numpy | R | Matplotlib | Tableau | Looker Studio | Plotly
- **PROJECT MANAGEMENT:** Git | Jira | Asana | GitLab CI/CD

EXPERIENCE

Mobile Application Developer, Full Circle Family, Singapore

Feb 2025 - Present

- Developed a cross-platform mobile application using React Native, ensuring deployment within 3 months
- Optimised app performance by debugging, testing and implementing best practices, reducing load times by 40%
- Integrated multilingual audio and text capabilities, expanding accessibility to over 500,000 potential users globally

Full-Stack Developer, LocalLife, Sweden

Aug 2023 - Jul 2024

- Developed ETL pipelines with Airflow and Google Cloud, allowing real-time data updates every 15 minutes
- Led an IoT project to track recycling habits among residents, increasing recycling engagement by 30% within 6 months
- Collaborated over 5 stakeholders to deliver project milestones on time, ensuring a successful rollout within 6 months

Frontend Engineer, J-Dee Remittance Services, Singapore

Nov 2022 - Dec 2022

- Redesigned a dynamic web application using React, and NextJS, boosting customer engagement by 25%
- Executed unit and integration testing with Jest, achieving 95% code coverage and reducing production bugs by 40%
- Initiated Agile Methodologies by leading in sprint planning and daily stand-ups, improving team productivity by 25%

PROJECTS

Web & Mobile Application Developer, EatLah! [🔗](#)

Aug 2024 – Nov 2024

- Developed a full-stack hawker food ordering application using Supabase, NestJS, React, and React Native with Expo
- Utilised real-time communication tools with Socket.IO WebSocket, achieving sub-100ms latency in simulated environments for live order tracking and instant notifications
- Implemented association rule mining with Apriori algorithm, analysing transaction patterns across a dataset of 100+ orders to generate personalised food order suggestions

Data Engineer, NFT Market Dashboard [🔗](#)

Feb 2023 – Apr 2023

- Built a comprehensive ETL data pipeline using Google Cloud and Apache Airflow, processing NFT market data from multiple APIs, enhancing data integration efficiency by 30%
- Analysed data from 10,000 NFT transactions using Google BigQuery and Pub/Sub, delivering actionable insights that enhanced decision-making efficiency by 20%
- Designed a user-friendly dashboard application using Flask and React, providing end-users with real-time access to NFT market analytics, improving user engagement by 25%

AWARDS & CERTIFICATIONS

25th STePS Best Project Award – Silver [🔗](#)

Nov 2024

- Relevant Skills: TypeScript, React, React Native, TypeScript

SAP S/4HANA (ERP) and SAP Analytics Cloud (SAC) [🔗](#)

Nov 2024

- Relevant Skills: Project Management, Data Visualization, Predictive Analytics