

**Xuanhui Lee** | Email: [xuanhui98@gmail.com](mailto:xuanhui98@gmail.com) LinkedIn: [linkedin.com/in/xuanhui-lee/](https://www.linkedin.com/in/xuanhui-lee/)

## EDUCATION

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**Nanyang Technological University(NTU), Singapore - Full Time** | Aug 2019 - Jul 2024

**Bachelor of Engineering (Computer Science) - Honours (Merit)**

**University of Maryland, College Park(UMD), USA – Exchange Semester** | Aug 2022 - Dec 2022

## WORK EXPERIENCE

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**United Overseas Bank (UOB)** | *DevOps Engineer* | Apr 2025–Present

- **Contributed to enterprise Java Spring Boot applications in production**, implementing fixes and enhancements that improved application stability and performance.
- **Enhanced Jenkins pipelines** to streamline builds, testing, and multi-environment deployments, reducing manual deployment effort.
- **Managed system updates and deployments** (CRQs, Aldon path mappings) across dev, UAT, and production, ensuring governance and audit compliance.

**The Walt Disney Company** | *Data Engineer Intern* | Jan 2024 – Jul 2024

- **Developed AWS-based data infrastructure (S3, Glue/PySpark, Athena)** to centralize campaign data and enable faster, analytics-ready insights for marketing teams.
- **Designed ETL pipelines with Apache Airflow and Python**, automating ingestion from TikTok Business Center APIs and tracking pixels (TikTok/Meta), reducing manual data handling.
- **Integrated digital analytics platforms (Adobe Analytics, Datorama)**, improving campaign tracking accuracy and business intelligence.
- **Built a CI/CD pipeline with GitLab, Docker, and Kubernetes** to automate software delivery to Nginx-based web infrastructure, increasing deployment frequency.
- **Engineered front-end features** (JavaScript/jQuery showtime widgets; ReactJS/PHP microsite enhancements), expanding site functionality and improving user engagement.

**GovTech Singapore** | *Software Engineer Intern* | May 2023 – Dec 2023

- **Designed and deployed a serverless anonymization platform on AWS**, adopted by 80+ public agencies to safeguard sensitive data and ensure compliance.
- **Developed privacy-focused web applications** with TypeScript, NextJS, and Python, leveraging AWS services and Dockerized deployments for scalability.
- **Created a PDF anonymization service**, reducing processing time by 80% and cutting manual workload for users.
- **Automated AWS infrastructure provisioning with Terraform, Serverless Framework and GitLab CI/CD**, improving deployment efficiency and reliability.
- **Explored privacy-enhancing technologies** such as synthetic data generation with ML models (CTGANs), supporting innovation in secure data sharing.

**FoodLine.sg Pte Ltd** | *Full Stack Developer Intern* | Dec 2021 - May 2022

- Overhauled LAMP(Laravel, Apache, MySQL, PHP) application to support multi-country, multi-currency expansion.
- Optimized MySQL queries, reducing page load times by 50% and improving customer experience.

## SKILLS AND PROFICIENCIES

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**Languages:** Python, Java, C, C#, C++, JavaScript, TypeScript, PHP, SQL (MySQL, PostgreSQL), Solidity, Dart

**Frameworks & Tools:** Spring Boot, Django, Express, Flask, Serverless Framework, Terraform, Docker, Kubernetes, Jenkins, GitLab/Github CI/CD, Airflow, Spark, Selenium, React, NextJS, jQuery, Flutter, Marketing Tech, Adobe Analytics, Salesforce Datorama

**Cloud Platforms:** AWS, Google Cloud

**Languages (Human):** Fluent in English and Chinese; conversational in Japanese