LEE ZHEXIAN THADDEUS

📞 85118922 | ✉ thaddeusleezx@gmail.com | 🔗 linkedin.com/in/thaddeusleezx | ⓞ github.com/ebilsanta | 🌐 thaddeus-lee.vercel.app

EXPERIENCE

Software Engineer Intern – Ryde Technologies   **Jan 2024 – Present**
- Ryde is Singapore's first carpool app, now expanded to provide a full suite of mobility and delivery services
- Enhanced driver onboarding by developing Go microservice for Document AI and Image Question Answering tasks
- Minimized future development and maintenance costs by migrating native mobile applications to Flutter

Software Engineer Intern – Koru Partners   **May 2023 – Aug 2023**
- Koru Partners is a thematically-driven investment firm focused on forward-looking social changes
- Streamlined fund operations' processes by highlighting discrepancies (Django/Pandas) during reconciliation process
- Improved human resources' workflow by automating the generation of Asana tasks (Python)
- Improved compliance efforts by implementing authentication for in-house Excel Add-in (C#)

Software Engineer Intern – Just Dabao   **Jul 2022 – Nov 2022**
- Just Dabao is a startup that reduces food wastage by connecting consumers and eateries with surplus food
- Refined existing product filter and map features, fixed bugs on Flutter mobile application
- Enhanced accessibility by collaborating with UI team to design and implement dark mode in mobile application
- Boosted marketing efforts by setting up data analysis tools such as Amplitude in web and mobile applications

EDUCATION

Singapore Management University   **Aug 2021 – Apr 2025**
Bachelor of Science (Information Systems)   CGPA: 4.00/4.00
Relevant Coursework: *Data Management, Enterprise Solution Development, IT Solution Architecture, Object Oriented Programming, Introduction to AI, Machine Learning & Applications, Foundations of Cybersecurity*

SKILLS

Languages: Python, Java, Go, TypeScript, Dart, SQL, HTML, CSS, PHP
Frameworks/Tools: React, Next.js, Vue.js, Express, FastAPI, Springboot, Flutter, React Native, Docker
Certifications: AWS Certified Solutions Architect - Associate

PROJECTS

Surplus Meals Sharing Platform, Gobbler | *Flutter, FastAPI, Springboot, .NET Core, SQL, Docker, Kong, Redis*
- Flutter mobile application that provides a platform to share and reserve leftover buffet food
- Backend built on microservices architecture using Docker and Kubernetes for container orchestration
- Kong API Gateway with rate-limiting, load balancing and authentication, messaging with RabbitMQ, and Redis for database caching and locks

Custom Authentication Service, Authentication App | *Go, FastAPI, ExpressJS, NextJS, AWS*
- Authentication service that enables partners to authenticate users before accessing the company's hosted services
- Enforces OAuth 2.0 extensions Proof Key for Code Exchange (PKCE) and Demonstrating Proof-of-Possession (DPoP) to ensure authenticity and confidentiality when working with public clients (eg. SPAs)
- Highly scalable and available microservices architecture deployed on AWS with load balancing and autoscaling

Party Game Clone, True Colours | *NextJS, React, TypeScript, Java, Springboot, SockJS*
- Digital adaptation of party game 'True Colours' using WebSockets for real-time gameplay
- Mobile-friendly, responsive design with ChakraUI built on NextJS, with Springboot and automated deployment

AWARDS

VMWare Tanzu Award 2023: Awarded *Best in Cohort* for SMU Enterprise Solution Development project, focusing on applying modern software development techniques and cloud-native best practices

Dell InnovateFest 2023: *Runner-up* in a two-month hackathon to develop innovative solutions improving accessibility for persons with intellectual disabilities, in collaboration with MINDS

Singapore Airlines AppChallenge 2023: *2nd place* out of 287 teams in a hackathon focused on revolutionising air travel. Proposed a Generative AI Chatbot to improve end-to-end customer experience and facilitate cross-selling

SMU Global Impact Scholarship Award 2021: Awarded annually to 40 outstanding students across faculties