

Juin Lee

+65 89340061 | juin.lee@outlook.com | [linkedin.com/in/juin-lee](https://www.linkedin.com/in/juin-lee) | github.com/Neo-Zenith | [Portfolio Website](#)

EXPERIENCE

Software Engineer Intern

May 2024 – Present

OCBC Bank

Singapore

- Assisted in the development and maintenance of a core UI component library used throughout the mobile banking app and website using React and Tailwind CSS.
- Participated in the backend development of a virtual avatar banking project using Flask and MongoDB, integrating OpenAI GPT API for interactive banking operations.
- Explored developing polyglot microservices to integrate the Flask backend with Java Spring Boot and facilitating communication via RabbitMQ.
- Built a prototype VR app showcasing OCBC Bank's history in Apple Vision Pro using Swift.

Software Engineer Intern

Jan. 2024 – Apr. 2024

Proxtera

Singapore

- Created a Selenium web scraper on AWS EC2, accelerating the scraping process by 40% using Python's multiprocessing library and MapReduce.
- Developed a serverless function on AWS Lambda to transform Ghana GPS information for downstream applications, enhancing data processing efficiency.
- Built a PDF generator microservice in Express.js for dynamic document generation (orders, quotations, POs).
- Developed a real-time HTML email template generator from Google Sheets inputs for immediate layout visualization, reducing email template creation time by 50%.

Full-stack Software Developer Intern

May 2023 – Dec. 2023

Temasek Laboratories @ NTU

Singapore

- Developed NLP Hub dashboard using React and Material UI, consolidating the deployment of NLP models from 3 platforms into a centralized gateway.
- Implemented Redis caching and containerized the NestJS backend using Docker and Docker Hub for version control, reducing response times by 45% and improving deployment efficiency.
- Conducted load testing with Artillery and Postman, ensuring system robustness for up to 3000 concurrent users, and implemented unit testing with Jest to achieve 90% test coverage.
- Established a CI/CD pipeline on GitHub Actions, and deployed to the Azure cloud platform, reducing deployment times by 30% and streamlining the build, test, and deployment processes.

EDUCATION

Nanyang Technological University

Singapore

Bachelor of Computing (Hons) in Computer Science, Minor in Business

Aug. 2021 – Dec. 2024

- Honours (Highest Distinction); CGPA: 4.78/5.00

PROJECTS

EchoLog | NestJS, React, Tailwind CSS, Docker, Kubernetes, Jenkins

Dec. 2023 – Present

- Developed a speaker diarization tool backend using NestJS and MongoDB, enabling the partitioning of audio files into channels based on speaker identity.
- Utilized Kubernetes as load balancer and deployment tool and implemented a CI/CD pipeline with Jenkins on Azure for automated testing and deployment of Docker containers.
- Developed the frontend using React and Tailwind CSS and performed UI testing using Storybook.

TECHNICAL SKILLS

Programming Languages: Java, Python, C/C++, SQL, JavaScript/TypeScript, Swift

Frontend: React, Tailwind CSS, Material UI, SwiftUI, Storybook

Backend: Node.js, Express.js, NestJS, Django, Flask, Java Spring Boot, RabbitMQ, Nginx

Databases: PostgreSQL, Microsoft SQL Server, MongoDB, Redis

Cloud Platforms: AWS, Microsoft Azure, Supabase

DevOps Tools: Docker, Kubernetes, GitHub Actions, Jenkins

Additional Tools: Linux (Ubuntu), Git, Docker, Postman