

Ng Kok Jing

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EDUCATION

Singapore Management University <i>Bachelor of Science (Software Engineering)</i>	August 2024 - Present Singapore
<ul style="list-style-type: none">Teaching Assistant - Python / Data Structures and Algorithms / Object-Oriented ProgrammingTeaching Assistant - Web Application Development (Express.js & MongoDB)	

EXPERIENCE

Software Engineer Intern <i>AI Shophouse</i>	December 2025 - April 2026 Singapore
<ul style="list-style-type: none">Developing AI tutor chatbots with Hugging Face and LangChain to support mid-career professionals in upskilling, by migrating data to PostgreSQL on GCP and implementing RAG retrieval with persistent chat memory.	

Devops Engineer Intern <i>Infosys Limited</i>	June 2025 - August 2025 Bangalore, India
<ul style="list-style-type: none">Designed and implemented a ROS build environment in RHEL 9 using Docker, to standardize development workflows and minimize setup inconsistencies.Configured custom Docker networks using Docker Compose to facilitate ROS node-to-node communication.	

TECHNICAL PROJECTS

Sea Link Finance NUS FinTech Summit 2026 Next.js, TypeScript Tailwind CSS, XRPL.js, CrossMark SDK DevPost, GitHub	
<ul style="list-style-type: none">Built a XRPL maritime finance MVP leveraging Native Hooks and RLUSD for tokenized voyage financing, placing 3rd place in the main track at NUS FinTech Summit 2026 by solving shipowner liquidity challenges.Developed a transaction monitoring system polling XRPL memos with incremental sync and automated reconciliation into UI state, delivering live dashboard updates for maritime settlements and displaying payment events instantly without manual refresh.Built wallet authentication using Crossmark SDK to retrieve addresses and sign XRPL transactions, enabling seamless DID creation and credential onboarding with user approval flows.	

Git Gram Personal Project Golang, Fiber, GitLab CI/CD, Docker, Google Cloud Telegram Link, GitLab	
<ul style="list-style-type: none">Developed a Go/Fiber Telegram Bot that consumes GitHub App webhooks with HMAC signature verification, makes GitHub App API calls using JWT, and replies to custom commands (/start, /status, etc) to deliver real-time repo notifications.Implemented Firebase CRUD with the Go SDK to map Telegram chat IDs to GitHub App installation records and persist per chat notification settings (mute/unmute, status, unlink).Automated the containerization of API service and deployment on Google Cloud Run with GitLab CI/CD.	

NoteSync Coursework React, Tailwind CSS, Vite, Firebase GitHub, Website	
<ul style="list-style-type: none">Led frontend architecture for a YouTube timestamped notes platform enabling time-synced note-taking during video playback.Implemented Google and GitHub OAuth using Firebase Authentication for secure and seamless user login.Integrated the YouTube Data API with Firebase to enable video embedding, timestamp capture, direct playback from notes, and real-time CRUD synchronization across user sessions.	

TECHNICAL SKILLS

Languages & Frameworks: HTML, Tailwind CSS, React, Python, Express.js, Golang

Technologies: Git/GitHub, GitLab, Linux, Docker, MySQL, MongoDB, Vite, , Selenium, Vercel, Firebase, GCP

LEADERSHIP & INVOLVEMENT

SMU Artificial Intelligence Club Website <i>Programmes Lead</i>	May 2025 - Present
<ul style="list-style-type: none">Spearheading the design and execution of AI-focused events, including technical workshops and networking sessions, to enhance practical skills and industry engagement of more than 500 club members.	

SMU Coder's Assembly Article <i>Coding Mentor</i>	August 2025 - Present
<ul style="list-style-type: none">Mentoring 10+ freshmen in Python and full-stack web development (HTML, JS, Express.js, MongoDB) through weekly sessions.	