Jeremy Chua

✉ chua.jeremy.wx@gmail.com   in jeremy-chua-wen-xi   ○ JeremyChuaWX

PROFESSIONAL EXPERIENCE

Software Developer Intern, Osiris   Jan 2025 – May 2025
- Lead full-stack development on multiple projects
  - Internet-of-things platform
  - Consulting management platform

Software Developer Intern, PhillipCapital Innovation   Jan 2024 – Jul 2024
- Designed and implemented backend architecture for key projects
  - Digital assets custodial platform: multi-tenant platform to manage user digital asset wallets
  - Digital assets marketplace: platform for bringing together buyers and sellers of digital assets
- Leveraged expertise in decentralised finance products to design and implement customer flows, business rules, and operations, influencing the overall direction of the business and product
- Collaborated with external vendors to integrate frontend with backend
- Established code standards and best practices across the development team
- Mentored polytechnic interns in areas such as backend development, smart contract development, and foundational software skills (e.g., version control), contributing to their professional growth

AWARDS

Brainhack 2024 - 1st Runner Up, Defence Science & Technology Agency ⬈

School of Computing Term Project Showcase (STePS) - Gold, National University of Singapore ⬈

PROJECTS

Dynamic Dashboard, Python, OpenAI, PostgreSQL, Docker ⬈   Oct 2024 – Nov 2024
- Web application that takes user queries about a database and generate data visualisations as a dashboard

Document Parser, Python, Ollama, PostgreSQL, Docker ⬈   Sep 2024 – Oct 2024
- LLM pipeline to parse medical PDFs and store relevant patient information for future access and analysis

Chat Room Application (Gossip), HTML, CSS, JS, Go, PostgreSQL ⬈   Aug 2024 – Aug 2024
- Web application for users to join rooms and chat
- Video: https://youtu.be/axaylEFdlQg ⬈

Electronic Health Records System, Remix, NestJS, MongoDB   Oct 2023 – Nov 2023
- eHR system to support operations at Mae Tao Clinic
- Achieved 2nd place for *NUS STePS* ⬈

Bookmarks Manager (Summar), React Native, Expo, Go, PostgreSQL ⬈   May 2023 – Jun 2023
- Mobile application to manage URLs and summarise them with AI
- Video: https://youtu.be/UVBW2gYZ264 ⬈

LEADERSHIP EXPERIENCE

Head of Backend Development, Developer Group @ NUS Computing ⬈   Aug 2024 – present
- Lead 7 developers to build a multi-tenant volunteer management system
- Designed backend architecture and database schemas
- Collaborated with Head of Frontend Development to integrate backend and frontend

EDUCATION

National University of Singapore (Computing), B.S. Business Analytics   2021 – 2025

SKILLS

Programming Languages: Javascript, Typescript, Python, Go, Solidity

Software Frameworks: NextJS, React Native, NestJS, ExpressJS, PyTorch

Technologies: NodeJS, PostgreSQL, MySQL, Redis, RabbitMQ, Docker