

## SUMMARY

Over 4 years' experience designing and delivering cloud-native applications and AI-driven services. Skilled in Python/Flask, TypeScript/React, Next.js, Node.js, Docker and AWS. Proven track record building LLM-powered APIs and containerized CI/CD pipelines to drive product innovation at Euclidean, ConceptV and QUT.

## EXPERIENCE

### ConceptV (May 2024 – Present)

I joined as a Senior Software Engineer (contract) in May 2024 and was promoted to Full-time Lead in January 2025, collaborating directly with the CEO and CPO to drive AI-powered product innovation and delivery.

#### Lead Software Engineer

**Jan 2025 – Present | Brisbane, Australia | Full-time**

**Key Contributions & Achievement:** In my current Lead role, I've driven the evolution of ConceptV's AI assistant into a truly intelligent platform. By spearheading the integration of multiple LLM workflows, I enabled our services to automate file management, web content ingestion, and dynamic response generation. I also established a robust, containerized CI/CD infrastructure that streamlined deployments and reduced release overhead, while standardizing testing and review processes to uphold high quality and reliability across our microservices.

#### Responsibilities:

- Partner with CEO and CPO to translate strategic goals into clear technical roadmaps and development plans.
- Architect and integrate LLM-driven features (OpenAI, Anthropic Claude, Google GenAI) into Next.js/React and Flask microservices.
- Design, implement, and maintain Docker-based CI/CD pipelines on AWS S3 and MinIO to ensure reliable, repeatable releases.
- Mentor and lead a cross-functional team, enforcing best practices in automated testing, code reviews, and AI system design.

#### Senior Software Engineer

**May 2024 – Jan 2025 | Brisbane, Australia | Contract**

**Key Contributions & Achievement:** During my contract tenure, I designed and delivered two core RESTful services that extended our AI assistant's functionality—enabling it to autonomously manage files, perform web searches, and download and process online materials. By leveraging LLM-powered internet search, I built a comprehensive knowledge-base framework that significantly boosted the assistant's accuracy and responsiveness, laying the groundwork for subsequent AI-driven product enhancements.

#### Responsibilities:

- Served as principal liaison between the CEO and engineering team, refining executive ideas into detailed technical specifications.
- Developed production-grade REST APIs in Python/Flask that leverage the OpenAI API for advanced assistant capabilities.
- Collaborated with front-end developers in Next.js/React to embed AI-powered features that enhance user interactions.

**Tech Stack:** LLMs including OpenAI, Anthropic (Claude) AI, Google GenAI & Ollama, Python (Flask), Next.js, React.js, Node.js, PostgreSQL, Minio & AWS S3, Docker, Linux.

## Queensland University of Technology (QUT)

### Software Engineer, eResearch

Jun 2024 – Jan 2025 | Brisbane, Australia | Full-time

**Key Contributions & Achievement:** As a Software Engineer at Queensland University of Technology (QUT), I oversee multiple projects that enhance research capabilities. I contributed tools to enable research students and staff to effectively utilize High-Performance Computing (HPC) services and contributed to a Data Management project for streamlined data collection and storage. Additionally, I built a service status page to monitor internal systems and researched new technologies such as RESTful AWX API by Red Hat to manage Ansible playbooks and generate Open API specifications. I also worked on the MyST-theme project, creating solutions to customize site themes for improved functionality and user experience.

**Responsibilities:** Report directly to Development Team Lead, continuously improve existing projects, research unknown technologies and create solutions to interact with existing technologies.

**Tech Stacks:** Docker, React.js & Typescript, Chakra UI, Jest (Unit Test), AWX API, Open API, Ansible Tower, MyST and Tailwind CSS

## Software Developer

### Euclidean Pty Ltd

Apr 2021 – Mar 2024 | Brisbane, Australia | Full Time

**Key Contributions & Achievement:** Joined Euclidean as a Solutions Engineer, created two impactful demos showcasing industry-leading Unlimited Detail (ud) algorithm and integrated our SDK with top geographic and spatial platforms. Successfully attracted major clients and resulted in millions of dollars in revenue.

Transitioning to a Software Developer role after first 6 months. Continuously working on main products – udStream, a native desktop software allowing seamless viewing of complicated 3D datasets with ud algorithm, and udCloud, a cloud-based solution offering our customers an opportunity to store large datasets securely in this role. My main contribution to these products involves both front-end and back-end feature enhancements, actively collaborate with UI/UX team to improve front-end UI as the Subject Matter Expert (SME), as well as back-end features enhancing, bug fixing and improving translations due to my multilingual proficiency. As a result, successfully increased the number of users threefold in 12 months.

**Responsibilities:** Responsible for developing high-quality products, custom solutions encompassing front-end and back-end tasks using JavaScript/TypeScript (Vue.js, Vuetify), C#, .NET, and C++ & ImGui for native desktop applications. Leveraged Azure Services including Azure Function App v4 and Azure Cosmos DB for scalable cloud solutions.

## **Software Developer**

### **SOCIF Limited**

**Jan 2019 – Mar 2021 | Hong Kong | Part-time (Remote)**

**Key Contributions & Achievement:** Main developer for two main projects: USTransit & Lost Item Finder. USTransit is a real time minibus and buses tracking app which gives users real-time information including ETA of these public vehicles. Lost Item Finder is another side project which is a web application that allows people to report lost belongings.

Actively collaborated with the CTO to develop the both projects from the ground up in less than 10 weeks, working as the Subject Matter Expert (SME) for front-end UI/UX, as well as involved back-end system improvements including dependencies integration, bug fixing and adding new features and for these projects. Involved in both projects' development cycles from the ground-up. As a result, those applications now have over one hundred thousand active users.

**Responsibilities:** Responsible for Full-Stack Development, Back-end with Node.JS & MongoDB/PostgreSQL, and Front-end uses ReactJS and React Native for both projects. Continuously improved these projects post-development cycle as the SME.

## EDUCATION

**Queensland University of Technology**

2019 – 2020

Master of Information Technology (User Experience)

**University of Queensland**

2018 – 2019

Bachelor of Information Technology (Software Development)

## EXTRA-CURRICULAR ACTIVITIES (PERSONAL DEVELOPING EXPERIENCE)

- Developing full stack web applications using React, Express.js and Node.js.
- Deploying web application on Amazon Web Services (AWS) EC2, Route 53 and ACM (https). Under construction to migrate to AWS Lambda and API Gateway services.
- Developing a discord chatbot using Python integrating with GPT-4o.
- Used to be a volunteer engineer of custom game servers, script developer and website engineer using C-like language, HTML and PHP since junior high school. (2009 - 2014).

## TECHNICAL SKILLS

### Programming Languages, Web Services & Frameworks:

- Amazon Web Services (AWS EC2, Route 53, ACM, Lambda & API Gateway) with Node.js / Python
- Microsoft Azure Services (DevOps, Functions, Cosmos DB & Pipelines) with .NET C#
- JavaScript / TypeScript (React.js / React Native, Vue.js & NodeJS Backend)
- C/C++
- Python & Flask
- WebGL / OpenGL
- Docker

### Tools & Environments Familiar:

- GIT (Cli), SourceTree, Tortoise GIT & Apache Subversion (SVN) with GitHub.
- Microsoft Visual Studio & VS Code, JetBrains WebStorm, Unity3D, Unreal Engine 4.
- Ubuntu & PopOS based on Ubuntu

## OTHER ABILITIES

- Ability to work with an agile team, love to communicate with working partners and solve every issue.
- Ability to pick up a new programming language, environment or framework quickly.
- Ability to provide useful suggestions by summarising useful information and present them.
- Understands basic structure of Operating Systems and know how to optimize code in terms of performance.
- Fluent in English, intermediate-level Japanese, and a native Chinese speaker (Both Cantonese & Mandarin).
- Full driver license in Australia (Also own a car so I can drive to the workplace).

## PROFESSIONAL REFERENCES

**Kristian Wares** - Chief Executive Officer at Euclidean

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AVAILABILITY / NOTICE PERIOD: 26<sup>th</sup> May 2025 / 4 Weeks