

CAI WEIYU

VETERAN SINGAPOREAN DEVELOPER |
INNOVATIVE PROBLEM-SOLVER



CONTACT

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📍 Singapore

🌐 <https://caiweiyu.com>

PROJECT LINKS

- [Wonder Earth App](#)
- [Landbox.sg - a Digital Twin Project](#)
- [My GitHub](#)

TECH SKILLS

- C#, Python, Typescript, C++, Java, Javascript
- React, Node.js, Next.js, Three.js, MongoDB
- Docker, AWS, Nginx
- Unity, Unreal Engine
- Git, Perforce, Linux, Android Studio, Xcode
- Scrum, CI/CD



PROFILE

Results-driven developer and founder with over a decade of experience in software innovation, app development, and video game production. Proven expertise in managing impactful projects, driving revenue growth, and engaging with government stakeholders. Seeking a challenging role to apply technical expertise and leadership skills.



PROFESSIONAL EXPERIENCE

Yilumi Studio, Singapore

2020 - PRESENT

Founder

- **Owner of Wonder Earth (酷玩地球)**, a 3D educational app which is renowned in China:
 - 5 million downloads, over 1 million users.
 - Revenue > SGD 600k.
 - HuaWei Gallery Editor's Choice (Nov 2022).
- **Owner of Landbox.sg**, a digital twin web project enhancing the HDB BTO process.
 - Acknowledged by the Prime Minister's Office (PMO)
 - Held multiple discussions with HDB, earning recognition for Landbox.sg's market potential.

Bandai Namco Studio Singapore

2016 - 2020

Senior Software Developer

- Contributed to the development of several video game titles and prototypes.

Autodesk Singapore

2013 - 2016

Software Developer

- Developed advanced features for industry-standard 3D content creation tools like Maya and MotionBuilder.

Lucasfilm Singapore

2010 - 2013

Software Developer

- Designed and implemented robust pipeline asset management systems and cloud rendering pipelines to support blockbuster productions.

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COMMUNITY INVOLVEMENT

- Grassroots Leader at Woodgrove RC (2014 – 2019)
- Led Citizen on Patrol initiatives to improve community safety and engagement.

LANGUAGES

- English
- Mandarin Chinese



TECHNICAL SKILLS

- **Programming Languages:** C#, Python, Typescript, C++, Java, Javascript
 - **Web Technologies:** React, Node.js, Typescript, Next.js, Three.js, R3F, MongoDB, HTML, CSS
 - **DevOps:** Docker, Nginx, AWS
 - **Video Game Development:** Unity, Unreal Engine
 - **Others:** Git, Perforce, Linux, Android Studio, Xcode
- Notes:** Scaled Wonder Earth using Unity and MongoDB for millions of users; Built and deployed Landbox.sg with Next.js, R3F, docker and AWS.



LEADERSHIP & MANAGEMENT SKILLS

- **Regulatory Strategy:** Proven ability to navigate regulatory landscapes and platform support across foreign markets, exemplified by Wonder Earth's success in China.
- **Stakeholder Engagement:** Skilled in managing cross-cultural communications and liaising with high-level stakeholders, securing recognition and interest from entities like HDB for Landbox.sg.
- **Competitive Response:** Successfully mitigated the impact of a competitor's unethical and false report to foreign regulators, ensuring the integrity and continuity of our app.



EDUCATION

- **Master of Science, Digital Media** 2009 - 2011
Nanyang Technological University
GPA: 4.68 / 5.00
- **Bachelor of Engineering, BioEngineering** 2003 - 2007
Nanyang Technological University
2nd Upper Honors