

# 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
- React-Native, firebase
- Agile, 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. Agile Development.

### Autodesk Singapore

2013 - 2016

Software Developer

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

### 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

**Mobile:** React Native, firebase, Android, iOS

**Software development:** Agile, CI/CD, Git, Perforce

**Notes:** Scaled Wonder Earth using Unity and MongoDB for millions of users; Built and deployed Landbox.sg with Next.js, R3F, docker and AWS lightsail.



## 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

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