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CHEN JIA WEN



Software Engineer

Experienced in building interactive and scalable applications in both agile product teams and indie environments. Passionate about solving technical challenges and delivering efficient, maintainable code. Seeking a role that fosters continuous learning, and provides opportunities to contribute and grow alongside the team and company.

Expertise C++/C | Next.js | TypeScript | HTML/CSS/Tailwind | JavaScript | Cloudflare | SQL



Work Experience

2024 2025

SolanaFM (Acquired by Jupiter Exchange)

Software Engineer Intern | Frontend & Backend

- · Design and develop maintainable and reliable responsive web applications using Next.js
- Delivers polished site interface with improved SEO rankings and social media visibility
- Design dynamic DI database structure for efficient storage and retrieval of data with Cloudflare and RESTful APIs
- Implement data compression and parsing for data integrity, and middleware for protected user endpoints
- Create interactive interfaces for developers to test API endpoints and view parameters in real time with Swagger UI
- · Implement Discord Webhooks for GitHub Notifications to streamline update tracking within the team
- Work with UI/UX designers on tight deadlines for iterative changes and timely delivery
- Utilises AGILE methodology and GitHub to collaboratively develop code and track progress in a large team

2019 2021

A&C Atelier Pte Ltd

UX Developer | Frontend

- · Design and implement interactive UX experiences for client projects
- · Develop with mobile-first approach and cross-browser testing with different platforms
- Average Google PageSpeed of >65-80 for mobile and >90 for desktop
- · Pixel perfect quality for front-end development, and passing the penetration test in 2 tries
- Build responsive e-commerce site with WordPress CMS



Projects

Custom 2D Game Engine

Skills | C++ · OOP · Engine Development · Project Management

- Developed scripting system with Mono to allow designers to rapidly prototype gameplay features
- Built debugging tools for memory checks, profiling, and crash reporting, improving team productivity
- Implemented gameplay mechanics, such as character animations with sprite sheets and AI behaviors

2D Strategic Platformer

Skills | C++ · UI Development · Game Development

- Implemented core gameplay mechanics, such as player controls, environment interactions, and win/lose conditions
- Developed power-up systems to enhance player strategy
- Built modular UI system (menus, HUD, interaction prompts)

Custom 3D Game Engine

Skills | C++ · FMOD · Game Systems Development

- Built event-driven audio system including live voice chat and spatial audio
- Implemented dynamic audio filters and effects such as reverb to enhance gameplay immersion
- Focused on real-time system performance in a multiplayer setting

2D Tile-Based Puzzle Game

Skills | C · Project Management · Game Development

- Implemented enemy AI with A* pathfinding and decision-making logic
- Implemented core gameplay mechanics, such as map generation and collision detection



Education

2021 - 2025

Bachelor of Science with Honours Computer Science in Interactive Media & Game Development DigiPen Institute of Technology Singapore