Zhi Jie Chen

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EXPERIENCE

IBM   *Cork Airport Business Park, Cork*

Software Engineer   *March 2023 - Sep 2023*

- Developed and maintained Cypress tests for playbook canvas and system interactions on IBM SOAR QRadar.
- Removed flakiness on many Cypress tests in Jenkins, increasing the overall success rate from **70%** to **90%**.
- Converted deprecated Enzyme tests to React Testing Library, improving the pass rate by **15%**.
- Presented findings on the playbook system which were found in the next major release.
- Followed Agile methodologies, utilizing Jira for task management, Git for version control, and Jenkins for builds.
- **Technical Skills:** Cypress, JavaScript, React Testing Library, Jenkins, Jira, Git
- **Soft Skills:** Teamwork, QA Thinking, Agile, Communication, Time Management, Presentation

University College Cork   *College Road, Cork*

Intern / Research Assistant   *June 2022 - Sep 2022*

- Redesigned the website of Cork Smart Gateway with WordPress CMS in a team of two.
- Hosted a local LAMP server for hosting and debugging, leading to a **20%** decrease in bugs and increasing productivity by **15%**.
- Improved website performance by **31%** by optimizing plugins, components, and CSS.
- Ensured **99%** uptime during testing by deploying the site on Amazon Lightsail..
- Coordinated fortnightly meetings and documented website's plugins, usage and improvements.
- **Technical Skills:** WordPress, Lightsail, PHP, CSS, JavaScript
- **Soft Skills:** Time Management, Project Planning, Teamwork, Coordinating Meetings, Documentation

EDUCATION

University College Cork   *Cork, Ireland*

BSc Computer Science   *Sep 2020 – June 2024*

Achieved a 1st class honours degree.

PROJECTS

Next-Posts

Creator *May 2024 - May 2024*

- Developed a responsive website using Next.js and React with MongoDB Atlas for storing posts.
- Enabled CRUD operations with custom Next API, increasing post fetch times by **10%**.
- Boosted SEO by **15%** using custom metadata and server-side rendering components.
- Implemented authentication with credentials and OAuth providers (GitHub) via NextAuth.
- Deployed frontend on Vercel, ensuring **100%** uptime and seamless MongoDB interaction.
- **Technical Skills:** React JavaScript, Next.js, MongoDB, CSS, Git, Vercel
- **Soft Skills:** Time Management, Project Planning

Recording Volunteering with Blockchain

Creator *Sep 2023 - April 2024*

- Developed a full-stack web app for tracking volunteer work using Blockchain, React Typescript, Supabase, and Solidity.
- Implemented custom ERC20 token smart contract deployed on Sepolia testnet.
- Reduced gas fees by **12%** through smart contract and transaction optimization.
- Enhanced page loading times by **20%** through refactoring and pre-fetching data from Supabase.
- Summarised research, development and potential improvements in a LaTeX report.
- **Technical Skills:** React Typescript, Tailwind, Solidity, Smart Contracts, Supabase, LaTeX, Figma, Git
- **Soft Skills:** Time Management, Project Planning, Communication, Presentation, Report Writing

Dual Ascent, Tower of Cards

Creator *Jan 2023 - March 2023*

- Collaborated with a six-person team to develop turn-based roguelike card game using Phaser 3.
- Optimized sprite and scene transition through pre-loading, improving performance by **35%**.
- Reduced code conflicts by **15%** through bi-weekly refactoring sessions.
- Created iterative sprites and cards based on team feedback using Figma.
- **Technical Skills:** Figma, JavaScript, Phaser, Git, Markdown
- **Soft Skills:** Teamwork, Project Planning, Communication, Presentation, Report Writing

SKILLS

Programming: TypeScript & JavaScript (React, Next, Cypress),Tailwind, SQL, Python, Java, Solidity,

Miscellaneous: Figma, MongoDB, Django, Flask, Supabase, Git, Linux, Vi, LaTeX(Overleaf),

Soft Skills: Time Management, Teamwork, Problem-Solving, Documentation, Presentation

INTERESTS

Fitness: Regular gym member since age 14; helps with stress management.

Languages: Proficient in English & Irish; conversational in Chinese & French.