

James Jisung Choi

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Experience

Game: Hide and Chick -*Software Engineer, Self-employed* July 2021 - PRESENT

- Developed a multiplayer hide-and-seek party game, integrating gameplay mechanics where players strategically locate and eliminate each other amidst a dynamic AI chicken bot population.
- Achieved remarkable viral success, capturing the attention of prominent streamers and garnering an impressive 3 million social media views, while also surpassing the break-even point to achieve revenue profitability.
- Devised a polling mechanism, utilizing unique client network IDs, to efficiently initiate a server instance recycle queue for vacant servers. This solution resulted in a substantial reduction of developer effort, saving up to 8 hours per day.
- Successfully implemented dynamic horizontal scaling and rolling updates, ensuring uninterrupted availability and minimal latency, thereby enhancing the overall gaming experience for players.

Personal Project

TinyUrl July 2023

- Developed a TinyUrl platform, empowering users to generate shortened URLs for seamless and efficient redirection.
- Pioneered a cost-effective approach by strategically limiting the total number of pre-registered unique shortened strings(tiny) to 1 million, thus zeroing database expenses.
- Successfully implemented a robust database maintenance system utilizing Time-to-Live (TTL) mechanisms, ensuring the seamless reusability of tiny URLs and proactive removal of obsolete data.

Ecommerce Website April - July 2023

- Developed dynamic online commerce platform, facilitating seamless user engagement in purchasing products from the designated vendor.
- Implemented an advanced auto-complete recommendation feature within the search bar, resulting in an elevated user experience and enhanced browsing efficiency.
- Executed the incorporation of JWT authentication and Stripe payment API, bolstering security against fraud and false orders.

SKILLS

Java, C#, Javascript, Typescript, Angular.JS, NodeJS, Express.JS, JWT, MongoDB, HTML/CSS, SCSS, Github, Azure Cloud Service, Docker, Trello, Unity Engine

EDUCATION

University of California, Berkeley - *Bachelor's in Political Economy* 2015-2019