Kurt Choi

226-972-9291 | choi.kurt3@gmail.com | Toronto, Ontario
https://kurtchoi.dev

EXPERIENCE

Software Development Engineer Oct, 2021 – Present

Amazon.com Toronto, ON

- Led initiatives to enhance backend subscription core technologies, tailoring subscriptions for over 10 million global users based on their unique offer eligibility. Focused on delivering a seamless customer experience.
- Designed and maintained scaleable and robust APIs, crucial for internal Amazon clients. These APIs supported the implementation of new features, core functionality maintenance, and reduced operational workloads.
- Engineered innovative solutions for complex problems, navigating seamlessly across multiple teams. Fueled by collaborative discussions with stakeholders, achieved alignment on approach and implementation, ensuring a cohesive and effective resolution.
- Implemented a refined communication approach and task effort estimation strategy as the team's scrum master, contributing to a commendable 15% improvement in the team's sprint completion rate.
- Orchestrated the seamless execution of a scale-up project gearing up for the high-stakes Q4 peak. As the team's point of contact, maintained an impeccable 100% uptime for a service fielding over 200,000 calls per minute.
- Committed to documentation, consistently assisting peers by reducing their effort on similar operational tasks by more than 30%.

EDUCATION

University of Waterloo Waterloo, Ontario

BCS in Computer Science June, 2021

PROJECTS

ARAM.tools | React, NodeJS, PostgreSQL, Kubernetes, CSS, REST API Nov, 2022

- Developed a full-stack web application that analyzes and visualizes users' gameplay performance
- Utilized Riot Games Developer API to fetch and store user game data - used PostgreSQL and Django framework
- Internal API endpoints are created and utilized to analyze and generate various metrics on users' average performance
- React library is used to present visualization of these analyses
- The project is available **github.com/Hintful/aram.tools**

Conway's Game of Life Ultra | React, TypeScript Feb, 2021

- Developed a React-based simulation for Conway's Game of Life
- Implemented various features such as iteration speed control, grid wrap-around, and template loading functionality that enhances user experience
- Designed a unique scoring-system that evaluates the score by counting the number of new cells reproduced in a limited number of iterations
- Project is deployed online at **kurtchoi.dev/game-of-life**

TECHNICAL SKILLS

Languages: Python, JavaScript (ES6), C++, C, TypeScript, Java, HTML5, CSS3
Technologies: React, Redux, Node.js, Spring, Express, PostgreSQL, MongoDB, Various AWS technologies (EC2, S3, DynamoDB, Lambda) Django, REST API, Git