RAY TOH HONG XIAN

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Skills

Languages: Go, C++, Python, Java

Databases: PostgreSQL, MySQL, MongoDB, MariaDB, Redis, Elasticsearch

Technologies: HTTP, gRPC, Kafka, Docker, Kubernetes, AWS, GCP, Git, Nginx, Django,

Express.js, React.js, Node.js

Technical Experience

Carousell Singapore

Software Engineer

Aug 2022 - Present

- Orchestrated the revamp of categories, coordinating with 10+ teams and migrating 5,000,000+ listings
- Migrated the codebase from Django to Go, and introduced new changes to replace legacy packages
- Ensured system availability by resolving system alerts and incidents promptly during on call rotations

DBS Bank Singapore

Software Engineer Intern

May 2022 - Aug 2022

- Developed enhancements on TRAX, a proprietary forex application in Go built around microservices
- · Improved observability of backend systems with distributed tracing using Open Telemetry and Jaeger
- Communicated with users, analyzed their requirements and devised software solutions to meet them

Reluvate Technologies

Singapore

Software Engineer Intern

Dec 2021 - Feb 2022

- · Spearheaded the digitization of client companies by automating their operations and processes
- Facilitated UATs to formulate non-functional requirements and migrated data from legacy systems
- Built on Django, PostgreSQL and AWS to serve RESTful APIs to client-facing applications in React.js

DSTA Singapore

Machine Learning Intern

May 2021 - Aug 2021

- Modeled smart behaviors for computer-generated forces using Unity's physics engine
- · Compared Deep Reinforcement Learning methods to improve on existing models
- Incorporated self-attention mechanisms in DRL/MARL to reduce training time by up to 70%

Open-Source Projects

React Portfolio Website React.js, Npm, Gh-pages

View Website

Personal Blog React.js, GraphQL, Yarn, Gh-pages

View Blog

URL Shortener MySQL, Express.js, React.js, Node.js, AWS, Nginx

Try Service

Education

National University of Singapore

Aug 2019 - Aug 2022

Bachelor of Computing (Honors) in Computer Science

- · Graduated with Distinction, 4.29 GPA
- Database Systems, Computer Networks, Information Security, AI