Rao Yuchen (Singapore Permanent Resident)
Mobile Phone: (+65) 83487085 / Email: raoyuchenom@outlook.com
Personal Website: https://ycrao573.github.io/

CAREER OBJECTIVE

Rao Yuchen is looking for a full-time role as a front-end software engineer. With a strong background in creating user-friendly interfaces on large-scale consumer applications across platforms, he's a fast learner and ready to bring his front-end expertise to your organization.

EDUCATION

Nanyang Technological University (NTU)   *Aug 2018 – May 2022*
School of Electrical and Electronic Engineering
- **Bachelor of Engineering (Information Engineering & Media)**
- **Honours (Highest Distinction)** CGPA: 4.66 / 5.00
- **NTU Science and Engineering Scholarship**

WORKING EXPERIENCE

Lazada South East Asia Pte Ltd, Front-end Engineer (RedMart)   *Jul 2022 − Present*
- Continuously contributed to the development of cross-platform front-end features **(React)** for Lazada's online groceries business - RedMart; successfully delivered multiple major projects such as Group Buy, B2B, and RedMart+ Membership.
- Designed and implemented a multi-functional popup component with cross-platform support, featured with alert fatigue settings and user targeting; widely used across RedMart for promotion campaigns, feature announcements and voucher distribution.
- Integrated a front-end monitoring system for RedMart web pages using iTrace platform, enabling comprehensive performance metrics analysis, custom error reporting, real-time analysis, and automated alerts for more efficient issue detection and resolution.
- Collaborated in constructing an internal business data platform using a low-code approach, facilitating A/B experiments and user behavior analysis, and providing customizable dashboards for departmental operations.

Autodesk Asia Pte Ltd, Software Engineer Intern (IAM)   *Jan 2021 − Dec 2021*
- Collaborated on developing and optimizing identity processes for Autodesk's web products.
- Integrated an admin SSO app (**.NET**) with **AWS Secret Manager** to enhance codebase security.
- Enhanced AWS-based staging for an account management portal (**React**), allowing developers to preview the UI directly via a user-friendly link by integrating CI/CD pipeline **Jenkins**, **Docker**, **JFrog** and artifact hosting using **Amazon S3**.

ACADEMIC PROJECTS

NTU Final Year Project: *AR Travel Assistant*   *Aug 2021 - May 2022*
- Researched existing AR-based products and evaluated the feasibility of integrating AR technology into modern travel applications.
- Designed and developed an **Android** application using **Flutter**, **Firebase**, and Wikitude AR SDK, enhancing the navigation experience for travellers at local attractions.
- Integrated Google's geo-location services for real-time navigation, utilized **Google Cloud Platform** for efficient data storage and processing, and incorporated image recognition into the app.

SKILLS

- **Languages**: Fluent in English and Chinese (Mandarin)
- **Software Engineering Skills:**
  - **Frontend: Reac**t, JavaScript/TypeScript, HTML, CSS, React, Webpack
  - **Backend:** Python, Node.js, Java, C++, SQL, C#, PHP
  - **Mobile:** Flutter
  - **AWS Certified Cloud Practitioner**