

K Jagateesvaran Rajoo

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EDUCATION

Singapore Institute of Technology

Bachelor with Honours in ICT majoring in Software Engineer

Singapore

Expected Graduation, Oct 2027

Nanyang Polytechnic

Diploma Game Development & Technology

Singapore

Apr 2018 - Mar 2021

- GPA: 3.45/4.00, Director List

Institute of Technical Education

Merit Nitec in Information Technology

Singapore

Apr 2016 - Dec 2017

- GPA: 4.00/4.00, Director List

EXPERIENCE

Freelance

Singapore

Software Engineer

Jan 2025 – Jun 2025

- Developed a website and Telegram bot that allow users to receive personalized AI-driven career coaching including resume feedback, job recommendations, and interview preparation-by combining a Next.js frontend (hosted on EC2 with OAuth2.0 auth), AWS Lambda (via Gateway) forwarding queries to Bedrock, and S3-based JSON storage for user data. Both platforms leverage the same backend pipeline to provide a seamless cross-platform experience.

ARAS

Singapore

Software Engineer, Freelance

Apr 2024 – Nov 2024

- Practitioners and clients were coordinating appointments via phone call, leading to significant inefficiencies. Developed an online scheduling system using React, Next.js, Firebase, and GCP that automatically synced practitioner availability in real time. As a result, the team saved over 20 hours per week and eliminated all scheduling delays.
- Configured Stripe products, pricing tiers, and webhooks to automate payment status updates, and reconcile transactions in real time improving financial transparency and reducing accounting overhead.
- Manually sending booking confirmations and meeting links was consuming staff hours. I integrated Google Calendar, Gmail, Resend.io, and Zoom APIs into our platform to automatically generate confirmations and links upon booking. This automation removed all manual follow-up tasks, dramatically improving operational efficiency.

SHIPP

Singapore

Tech Lead, Freelance

Mar 2022 – Aug 2023

- Designed and planned a scalable, modular architecture for a mobile app by collaborating with stakeholders and guiding developers through technical requirements and milestones, ensuring cohesive implementation and on time delivery
- Launched and reigned the app with targeted onboarding strategies and performance enhancements, achieving over 1,500 active users in the first quarter and reaching #5 in the Android Dating category and #19 in iOS Social Networking by February 2023.

Razer Inc

Singapore

Software Engineer, Intern

Feb 2021– July 2021

- Scraped images and generated mosaic effects for an LCD display using python and firebase
- Contributed to the Razer Synapse Software project by developing and implementing comprehensive unit tests to ensure software reliability and performance

PROJECTS

Syncbuddy

Singapore

Personal Project

Mar 2025

- Developed a website with Next/Firebase integrating Google, Apple and Outlook Calendars to merge free/busy data and quickly identify shared meeting times

SKILLS

Programming: Python, C++, C, HTML, CSS, Javascript, Java, Typescript, React, Next,

Tools: Unity, Unreal Engine, Arduino Studio, MQTT, Flutter, Firebase, Stripe, Shadcn, Framer, Resend.io

Certifications: Azure Fundamentals

