Goh Khoon Hiang
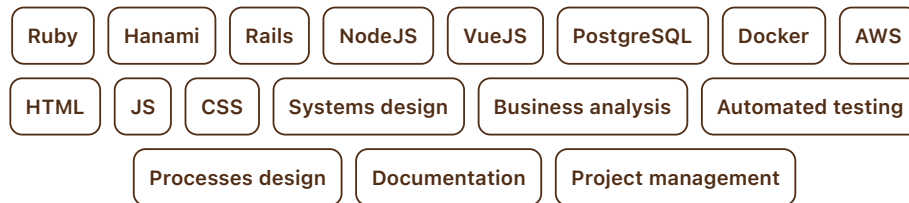
📍 Singapore

✉ gohkhoonhiang@gmail.com

I don't just write code. I manage various stakeholders, balancing between **engineering cost-effectiveness** and **delivery excellence**. Given a problem, I disect the requirements, identify edge cases, then find a solution that **solves the problem** not just for the present, but also **anticipating the future**. Because I believe cost effectiveness comes from not having to overhaul existing solution when the requirements become more complex.

| Ruby | Hanami | Rails | NodeJS | VueJS | PostgreSQL | Docker | AWS |

| HTML | JS | CSS | Systems design | Business analysis | Automated testing |

| Processes design | Documentation | Project management |

in https://www.linkedin.com/in/gohkhoonhiang   ⌗ https://github.com/gohkhoonhiang

🐘 https://mastodon.hackerdrinks.social/@geekhoon   🌐 https://coffeebrewapps.com

MARCH 2023 - PRESENT

Coffee Brew Apps (Owner)

I've created **coffeebrewapps.com** to share my experience in software engineering. Working on various projects, I constantly challenge my comfort zone, and learn new technologies to create things for the greater good.

| Ruby | Jekyll | VueJS | NodeJS | Go | ReactJS | PostgreSQL | Docker | AWS | HTML | CSS |

OPEN-SOURCE LIBRARIES

I've created plugins for generating **pagination**, **archives** and rendering **Mermaid syntax** on Jekyll sites. The plugins are open-source and hosted on Github.

WEB APPS

I've created multiple web apps: **SG Bank Interests Compare App**, **SG SSB Tracker App**, **Triple Tee App (Solopreneur Accounting)** and more.

ARTICLES

I write about my development journey in long form **blog posts** and **short articles** on coffeebrewapps.com.

Ascenda Loyalty Pte. Ltd. (Staff Software Engineer)

I was one of the earliest members in the Tech Team, and have helped grow the company's products suite over the years. I've managed various projects to deliver quality solutions on schedule and reduce engineering cost for the company.

Ruby | Rails | Hanami | VueJS | PostgreSQL | Automated Testing | Business Analysis | Project Management

FRONT-END IMPLEMENTATION

Implemented several whitelabel apps for banks and airlines on the TravelEdge platform using **Ruby on Rails** and **AngularJS**.

BACKEND INTEGRATION

Helped build the framework for the integration of banks and airline partners into the points transfer network using **Hanami**, and implemented several integrations using **REST APIs, SOAP APIs and SFTP transfer**.

SCALABLE ARCHITECTURE DESIGN

Designed, implemented and helped scale the points ledger and loyalty engine systems for the End-to-End loyalty platform, which handle **millions of transactions daily**.

PROJECT MANAGEMENT

Balancing between engineering cost and delivery quality and timeliness, leading **two major project launches** on the E2E loyalty platform **on schedule** with positive feedback from high-profile clients.

PROCESSES AND PRACTICES

Helped setup processes and practices to facilitate **effective asynchronous communication and collaboration** for various Tech offices across multiple geographical locations.

MENTORSHIP

Lead a team of four engineers, from junior to senior, providing **guidance on project management** and doing **design and code review** for the team.

Teckwah Industrial Corporation Ltd. (Senior Developer)

During my service in Techwah, I've helped implement new enhancements and fix bugs for the company's warehouse management system built with **ExtJS** and **Java Spring**. I've also developed a framework for the adminstrative module for the company's vLocate web application using **AngularJS**.

Aside from the applications used by the logistics business, I've also helped transform the company's paper-based requests workflow to digital workflow using **Joget Workflow**.

Java | Spring | Ninja | ExtJS | AngularJS

Ecquaria Technologies Pte. Ltd. (Software Engineer)

During my service in Ecquaria, I've worked on the State Court's Integrated Criminal Case Filing and Management System (ICMS), which transforms the heavily paper-based criminal justice system to one that is automated and streamlined.

My main responsibilities include: helping to **gather requirements** from the end-user, **creating prototypes** real-time alongside the end-user using **HTML/JS/CSS**, writing **specification documentations** for the developers, performing **testing** and providing **technical support** during court sessions.

Java   HTML   CSS   Business Analysis   Project Management

National University of Singapore (Bachelor of Computing, Honours)

During my studies in the Computer Science programme, I was in a project team working on a desktop file synchronisation tool, Syncless, implemented using C#. It was featured on Lifehacker and Addictive Tips, and also won the **Microsoft's Best CS3215 Project** award.

I was also awarded the **Dean's List Awards** during the August 2011 semester, for being the **top 5%** of the cohort with a Semester Cumulative Average Point of at least 4.5/5. In the same semester, I was awarded the **National Infocomm Scholarship** and secured a position as Software Engineer in Equaria Technologies Pte. Ltd. before graduation.

Java   C#   Software Engineering