Goh Khoon Hiang

📍 Singapore 🎓 National University of Singapore (Bachelor of Computing, Honours)

I'm a software engineer with **over 10 years of experience**. 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**. I also believe in empowering engineers to do the best job they can, **by providing technical guidance and streamlining processes**.

SKILLS: Ruby, Hanami, Rails, NodeJS, VueJS, PostgreSQL, Docker, AWS, HTML, JS, CSS, Systems design, Business analysis, Automated testing, Processes design, Documentation, Project management

✉ gohkhoonhiang@gmail.com 　 ⌗ https://github.com/gohkhoonhiang
in https://www.linkedin.com/in/gohkhoonhiang 🌐 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.

SKILLS: Ruby, Jekyll, VueJS, NodeJS, Go, ReactJS, PostgreSQL, Docker, AWS, HTML, CSS

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

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

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

AUGUST 2016 - MARCH 2023 (6 YEARS 8 MONTHS)

Ascenda Loyalty Pte. Ltd. (Staff Software Engineer)

I was one of the earliest members in the Tech Team, and have helped grow the company from a single product, to a multi-services SaaS platform. During my service, I've been promoted from Engineer II to Senior Engineer then Staff Engineer.

SKILLS: Ruby, Rails, Hanami, VueJS, PostgreSQL, Automated Testing, Business Analysis, Project Management

- Implemented whitelabel apps for banks and airlines on the TravelEdge platform using Ruby on Rails and AngularJS, serving **thousands of travel bookings daily**.

- Helped build the points transfer network between banks and airlines using Hanami (Ruby), REST APIs, SOAP APIs and SFTP, powering **thousands of transfers daily**.

- Designed, implemented and scaled the points ledger and loyalty engine systems, handling **millions of transactions daily within a 12-hour SLA**.

- Led a major bank loyalty system migration project on the E2E loyalty platform on a **1 year project schedule**, with **less than 5% defects** pre-launch.

- Helped setup processes and practices for asynchronous collaboration across regions, **cutting face-to-face meetings to 2 hours weekly** in favour of engineering deep work.

- Led a team of 4 engineers, providing technical guidance and design and code review, **3 of them have been promoted to the next job level** under my mentorship.

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 administrative 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**.

SKILLS: Java, Spring, Ninja, ExtJS, AngularJS

JULY 2012 - APRIL 2015 (2 YEARS 10 MONTHS)

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.

SKILLS: Java, HTML, CSS, Business Analysis, Project Management

EDUCATION

AUGUST 2008 - MAY 2012

National University of Singapore (Bachelor of Computing, Honours)

I was 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 also awarded the **National Infocomm Scholarship** and secured a position as Software Engineer in Equaria Technologies Pte. Ltd. before graduation.

SKILLS: Java, C#, Software Engineering