



## Goh Khoon Hiang

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

I'm a software engineer with **over 10 years of experience** in business analysis, design and implementation, testing and project management. I don't just write code. I manage various stakeholders, balancing between **engineering cost-effectiveness and delivery excellence**.

I've been part of growing a single-product startup with thousands of users, to a multi-services SaaS platform serving major banks and airlines globally with **millions of end consumers**.

I've led a major bank loyalty system migration project on a 1-year schedule with **less than 5% defects rate** in UAT, that has been operational for 2 years, and has handled **millions of transactions daily within a 12-hour SLA**.

I also believe in empowering engineers to do the best job they can, by providing technical guidance and streamlining processes. I've **mentored engineers with a 75% promotion rate** within the first 2 years of their joining the company.

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

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🌐 <https://www.linkedin.com/in/gohkhoonhiang>

🌐 <https://coffeebrewapps.com>

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### 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.

APRIL 2015 - AUGUST 2016 (1 YEAR 4 MONTHS)

**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

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**EDUCATION**

AUGUST 2008 - MAY 2012

**National University of Singapore (Bachelor of Computing, Honours II Upper)**

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.

I've graduated with a Bachelor of Computing (Second Upper Class Honours) Degree, scoring a Semester Cumulative Average Point **(CAP) of 4.23/5**.

**SKILLS:** Java, C#, Software Engineering