SOLVING PROBLEMS

MAKING AN IMPACT

ONE LINE OF CODE AT A TIME.

Software engineer with over 10 years of experience.

Goh Khoon Hiang

 Singapore

✉ gohkhoonhiang@gmail.com

| Ruby | Hanami | Rails | NodeJS | VueJS | HTML | JS | CSS | Systems design |

| Business analysis | Automated testing | Processes design | Documentation | Project management |

 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)

During my sabbatical from full-time employment, I have worked on a personal passion project, **coffeebrewapps.com**.

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 the **SG Bank Interests Compare App** and **SG SSB Tracker App**. Both are hosted on Github Pages and free for public use.

ARTICLES

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 built several key products for the company over the years. Having been in the team for almost 7 years, I've had the opportunity to apply various skills on several projects.

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

Lead **two major project launches** on the E2E loyalty platform **on schedule**, receiving 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.

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 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**.

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.

AUGUST 2008 - MAY 2012

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.