

# Darren Yuk Ho, POON

Portfolio Website: <https://dyhpoon.me>

GitHub: <https://github.com/dyhpoon>

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Result-driven and passionate software engineer, who has a comprehensive record of designing and developing a variety of software projects, from mobile apps to enterprise systems to web. Possess seven years of experience in software development and keen to develop professional expertise in full-stack development with a focus on backend, devops and cloud technologies.

## Work Experience

Mar 2019 – Present	<b>Welab Bank</b> Software Engineer	<b>Hong Kong</b>
	<ul style="list-style-type: none"><li>Participated in building one of the virtual banks in Hong Kong</li><li>Designed, implemented security solutions to keep application data secure in dynamic infrastructure across clouds and environments using Hashicorp Vault and Terraform</li><li>Implemented and maintained CI/CD pipeline for different applications using Kubernetes, Helm, ArgoCD, and etc</li><li>Worked with our team to design, implement, and extend our backend and workflow scheduling platform using Spring and Airflow</li><li>Migrated Welend's loan disbursement system from ACH (Automated Clearing House) to FPS (Faster Payment System), processing billions of HKD annually</li></ul>	
Feb 2016 – Aug 2018	<b>Branch8</b> (incubated in Y Combinator, Summer 2015) Software Engineer	<b>Hong Kong</b>
	<ul style="list-style-type: none"><li>Participated in designing and developing <i>branch8</i>, a platform that helps sellers to better manage products and orders across different marketplaces<ul style="list-style-type: none"><li>over 10 millions of products are managed by branch8</li><li>built the application stack using Node.js, acs-engine, typescript, javascript, react.js, rematch.js, ant-design, egg.js, postgresql, redis, and etc</li></ul></li><li>Led the engineering team, and provided guidance to peers</li><li>Setup a fully-containerized application stack in Kubernetes with CICD pipeline using Google Cloudbuild, Istanbul, Helm, and etc</li></ul>	
Sep 2013 – Feb 2016	<b>Premiumsoft Cybertech Limited</b> <i>Senior Software Developer</i>	<b>Hong Kong</b>
	<ul style="list-style-type: none"><li>Developed "<i>Grab for Instagram</i>" in both Android and iOS using Java and Objective-C. "<i>Grab for Instagram</i>" expands the capabilities of Instagram, collect photos, videos for your private Stacks, repost a favorite picture/video, etc<ul style="list-style-type: none"><li>Awarded the 19<sup>th</sup> Webby Awards Official Honoree – "MOBILE SITES &amp; APPS" Best Use of Mobile Camera in 2015</li><li>Millions of users have downloaded and rated 4+ on app store and Google Play</li><li>Reached rank #1 on app stores in 13 different countries</li><li>More than 200,000+ daily active users</li></ul></li><li>Automated iOS and Android test cases and report generation using JenkinsCI, SonarQube, Docker, cucumber tests and other open source tools</li><li>Assisted in implementing other internal side projects, ex: <i>Mavie</i>, <i>Navicat Centralized Authenticated system</i>, <i>Navicat Cloud</i> using Golang, Kafka, PHP, MySQL, MongoDB, memcached, apache, and etc</li></ul>	

## Education

Sep 2012 – Jul 2013	<b>City University of Hong Kong</b> Master of Science in Computer Science, Distinction	<b>Hong Kong</b>
Sep 2008 – Jun 2012	<b>University of Waterloo</b> Bachelor of Computer Science, Honour	<b>Ontario, Canada</b>

## My Open Source Projects

Fo.dex:	An Android application allows you to index photos at ease - <a href="https://github.com/dyhpoon/Fo.dex">https://github.com/dyhpoon/Fo.dex</a>
Android Dockerfiles:	Containerized Android Emulator in docker - <a href="https://github.com/dyhpoon/Android-Dockerfiles">https://github.com/dyhpoon/Android-Dockerfiles</a>
Attack on Pirates:	A 2D puzzle game powered Corona game engine - <a href="https://github.com/dyhpoon/Attack-on-Pirates">https://github.com/dyhpoon/Attack-on-Pirates</a>

## Computer Skills

Software, Frameworks, and Others:	<b>Proficient:</b> Git, Docker, Express.js, Koa.js, Egg.js, Node.js, Redis, scripting, Azure, AWS, GCP, Postgresql, Heroku, Kubernetes <b>Prior experience:</b> Angular.js, CSS, MongoDB, Memcache, Kafka, iOS, Android, React.js, Vue.js
Programming Languages:	<b>Proficient:</b> Javascript <b>Prior experience:</b> Objective-C, PHP, Golang, Java, Swift, Python, Ruby, C++, Lua, Scheme, R
Certificates:	AWS Certified Cloud Practitioner, AWS Certified SysOps Administrator - Associate AWS Certified Solutions Architect - Associate, AWS Certified Developer - Associate