

Darren Yuk Ho, POON

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

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

Email: dyhpoon@gmail.com

Result-driven and passionate software engineer with a comprehensive record of designing and developing a variety of software projects, from mobile apps to enterprise systems and web applications. With 10+ 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

Sep 2020 – Jul 2026	Crypto.com Lead Engineer (Jan 2022 – Jul 2026), Senior Software Developer (Sep 2020 – Dec 2021) - Contributed to and led backend services for Crypto.com's card platform, covering prepaid and credit card products, applications, payments, rewards, staking benefits, and lockups - Contributed to card backend services within the broader Crypto.com platform, serving 100+ million users and handling 5+ million requests per minute during peak traffic - Launched card programs across CA, AU, BR, EU/UK, US, SG, Middle East and Asia, issuing millions of Crypto.com Visa cards worldwide - Processed billions of dollars in card transaction value each month through card payment flows and related backend services - Led backend delivery for a distributed card engineering team across HK, SG, TW and SZ, setting technical direction with product managers and senior management, mentoring teammates, and coordinating delivery as the team evolved - Supported P0/P1 incident response for card production incidents, working with the production support team on diagnosis, mitigation, and follow-up improvements Drove operational excellence as the platform scaled, establishing alerting and monitoring, optimizing infrastructure and vendor costs, and tuning database performance	Hong Kong
Mar 2019 – Sep 2020	Welab Bank Software Engineer - Contributed to building one of Hong Kong's virtual banks - Designed and implemented security solutions to protect application data across dynamic cloud environments using HashiCorp Vault and Terraform - Implemented and maintained CI/CD pipelines across multiple applications using Kubernetes, Helm, and Argo CD - Contributed to the design, development, and testing of microservices and workflows using Spring and Airflow - Migrated Welend's loan disbursement system from ACH (Automated Clearing House) to FPS (Faster Payment System), processing billions of HKD annually	Hong Kong
Feb 2016 – Aug 2018	Branch8 (incubated in Y Combinator, Summer 2015) Software Engineer - Built Branch8, a platform that helps sellers manage products and orders across different marketplaces - Managed more than 10 million products across marketplace integrations - Built the application stack using Node.js, acs-engine, TypeScript, JavaScript, React.js, rematch.js, Ant Design, Egg.js, PostgreSQL, Redis, etc Led the engineering team and mentored peers - Set up a fully containerized application stack in Kubernetes with a CI/CD pipeline using Google Cloud Build, Istanbul, and Helm	Hong Kong
Sep 2013 – Feb 2016	Premiumsoft Cybertech Limited Senior Software Developer - Developed "Grab for Instagram" for Android and iOS using Java and Objective-C - Named a 2015 Webby Awards Official Honoree for Best Use of Mobile Camera - Achieved millions of downloads and a 4+ star rating on the App Store and Google Play - Reached #1 in app-store rankings across 13 countries More than 200,000 daily active users - Automated mobile test execution and report generation using Jenkins CI, SonarQube, Docker, Cucumber, and other open-source tools - Contributed to additional internal projects, including: Navicat centralized authentication system, Navicat Cloud using Go, Kafka, PHP, MySQL, MongoDB, Memcached, Apache, etc	Hong Kong

Education

Sep 2012 – Jul 2013	City University of Hong Kong Master of Science in Computer Science, Distinction	Hong Kong
Sep 2008 – Jun 2012	University of Waterloo Bachelor of Computer Science, Honours	Ontario, Canada

My Open Source Projects

Fo.dex:	An Android application for easier photo indexing - https://github.com/dyhpoon/Fo.dex
Android Dockerfiles:	Containerized Android emulator in Docker - https://github.com/dyhpoon/Android-Dockerfiles
Attack on Pirates:	A 2D puzzle game powered by Corona game engine

Technical Skills

Backend, Cloud, and Platform:	Proficient: Git, Docker, Express.js, Ruby on Rails, Koa.js, Egg.js, Node.js, Redis, scripting, Azure, AWS, GCP, PostgreSQL, Heroku, Kubernetes Prior experience: Angular.js, CSS, MongoDB, Memcached, Kafka, iOS, Android, React.js, Vue.js
AWS Certifications:	AWS Certified Cloud Practitioner, AWS Certified SysOps Administrator - Associate AWS Certified Solutions Architect - Associate, AWS Certified Developer - Associate