

Senior Software Engineer

Growth mindset engineer with expertise spanning both front-end and back-end (React/Angular/Rails). Strong communicator across team members with different backgrounds, making complex ideas understandable for everyone involved.

I enjoy continuous learning, having completed 19 Coursera courses so far. Beyond formal education, I've read over 200 books (tracked on [Goodreads](#)) across various technical and non-technical subjects. All my learning notes (over 100,000 lines) are documented at: <http://github.com/daryllxd/lifelong-learning>.

Career Experience

Senior Software Engineer at Ascenda Loyalty Pte Ltd, Manila and Singapore

January 2019 — March 2025

Rewards Dashboard and Rewards Central (2022-2025)

As one of the four founding engineers on this ambitious configuration-driven platform, I helped shape the app's foundation using React/NextJS and Rails. My work included:

- Built core systems and UI component libraries that established the technical foundation for the front-end team (10+ engineers supporting 20+ clients) to build upon
- Led a 3-team initiative to centralize configuration management, transforming an engineer-only system into a platform for non-technical staff, which reduced demo and client preparation time from hours to minutes
- Enhanced developer experience through: adding a script to run any tenant locally, creating a Chrome extension for both for client tracking and for checking client configuration on the fly - these save hours of engineer and QA time trying to debug issues on the front-end, adding keyboard shortcuts for navigating around local development
- Implemented feature flag and experimental analytics tools resulting in safe feature rollouts and 5+ A/B tests (none before) to inform product building decisions
- Led the front-end implementation of the shopping cart experience (~27K orders per month) while coordinating its delivery with back-end, design, and QA teams using Jira timelines
- Onboarded and mentored 5+ engineers across multiple repositories, wrote architecture documentation used as least standard reference by at least 20+ engineers
- Elevated company knowledge by developing comprehensive documentation for configuration points and workflow processes, now widely used for campaigns reaching hundreds of thousands of users

Travel Edge and Rewards Dashboard (2019-2022)

- Built critical user journeys including Points Transfer, Redeem Cash, and Gift Cards (combined used by ~1M users), while making significant contributions to the application's front-end service and facade layer. Introduced SASS mixins, Tailwind, and CSS variables to solve the problem of different features per client

- Optimized home page performance by reducing bundle size by several hundred KB (from ~1.2 MB to ~250 KB) through strategic lazy-loading of modules and non-essential UI components, dramatically improving both load times and overall user experience
- Enhanced developer productivity by restructuring the Tailwind configuration to reduce file-watching overhead, resulting in dev server reload time reduced from 8 seconds to 2 seconds

Senior Software Engineer at TradeGecko Pte Ltd, Singapore

July 2018 — November 2018

- Full stack development in Ruby on Rails and Ember.js, mainly working on the integrations team. Coordinated and mentored junior engineers on a user flow involving CSV-sourced reports for product ingestion

Software Engineer at Sourcepad Inc., Manila

April 2014 — November 2017

Started off in a software development shop in Manila working with Rails and AngularJS.

- GolfCrow - Was the solo back-end developer for an iOS app that lets users keep track of golf scores and matches
- Xtopia - Xtopia is a search engine/aggregator of different datasets, working mostly on the back-end, writing the scrapers and data manipulation libraries
- Synapsis - Ruby wrapper to the SynapsePay (payments via bank account transfers) API

Education

Information Technology, June 2010 — April 2014

University of the East, Manila

Bachelors of Science in Chemical Engineering, June 2005 — March 2009

University of the Philippines, Quezon City

Areas of Expertise

- React
- Postgres
- NextJS
- Javascript
- Communication
- Angular
- Redis
- Git
- AWS
- Docker
- Ruby on Rails
- Typescript
- CSS
- Project Management