

Christopher Leon Dillinger

Swift (iOS) & Haskell (MacOS, Linux) Engineer

Education and Qualifications

BS, Computer Science, RIT (Rochester Institute of Technology), **2012**

10+ years experience developing **iOS / MacOS** applications in **Objective-C and Swift**

7+ years experience developing small **command-line** and **server** applications in **Haskell**

Skills and Experience

Strong **math** background with an emphasis on **optimizing data structures and algorithms**.

Skilled at **concurrency and type safety** to make code **fast and robust** against failure.

Experienced with **parsing, network protocols, async, security, payment, UI**

Have worked with **Bluetooth / TCP / Websockets / HTTP / REST / JSON / XML** APIs.

Prior experience with **CoreData, MYSQL, PostgreSQL** and custom databases.

Strong technical **leadership** skills, with a history of **mentoring** junior engineers in best practices.

History of implementing **best security practices** in applications and APIs

Developed and maintained **large-scale** mobile apps with **millions of users**.

Employment

Apotheca Labs - Research Engineer, 2022 - 2023

Research / development of **distributed data structures, parsers, and formats** in Swift and Haskell

Whole Foods / Amazon - Lead iOS Engineer, 2020 - 2022

Lead development of **Order-To-Go in-app food purchasing** feature / application.

Hypergiant LLC - Lead iOS / VR Engineer, 2019 - 2020

Developed software interface for **hardware VR helmet w/ integrated cameras and sensors**.

InMotion Software LLC - Lead iOS Engineer, 2017 - 2019

Maintained existing **HEB** iOS app, developed new **HEB Curbside in-app shopping** application.

Plum Inc - Senior Software Engineer, 2015 - 2017

Created iOS app for controlling **distributed IoT / home automation** hardware devices.

Chaotic Moon Studios - Senior iOS Engineer, 2014-2015

Lead development of **Marvel Comic Reader iOS** app, implemented the **"dynamic" reader experience**.

Bottle Rocket Studios - iOS Engineer, 2012-2014

Developed and maintained **streaming video apps** for television brands, including **Discovery Channel, WWE, TNT, TBS, and National Geographic**.