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JOE CROZIER

Effective and user-focused iOS and full-stack developer with a 10 year track record of building delightful products.

EXPERIENCE

Software Engineer

Snap Inc.
Seattle, WA/Remote
Sept. 2020 - Present



- iOS engineer for the **Memories** team, one of Snapchat's largest and most widely used features.
- Led the development from design stage to global launch for the Memories **Screenshots tab**.
- Key contributor to the company-wide effort to modularize the **multi-million line iOS codebase**.
- Built team's **deep-linking manager**, allowing users to link to Memories from outside Snapchat.

iOS Developer II

TouchBistro
Toronto, ON
July 2019 - Aug. 2020



- Developed features for the **industry leading** restaurant **point of sale iPad application**.
- **Owned** the iOS implementation of TouchBistro Loyalty, a giftcard integration service.
- Contributed to the application's provisioning functionality, implemented using **RxSwift**.
- Led a **full refactor** of the Admin Settings pages and Pending Orders controller.

Lead Developer

DoLyst
Hamilton, ON
Jan. 2018 - April 2019



- Contracted by CEO to develop **full-stack list sharing platform**.
- Maintained **ownership** of product, including design, testing, and ops.
- Developed platform using **React, GraphQL, Apollo, Flutter, and Node.js**.
- Product launched in January 2019, company hired full-time engineer to take over product.

Developer Intern

A Thinking Ape
Vancouver, BC
May 2017 - Aug. 2017



- Worked on mobile-social games Kingdoms at War and Party in My Dorm.
- **Mentored other interns** on iOS fundamentals, layout, coding style.
- Built client features using Objective-C and server-side with Python's Django.
- Independently built a user reward system now used by millions worldwide.

Developer Intern

Shopify
Ottawa, ON
Sept. 2016 - Dec. 2016



- Developed features and bug fixes for the **Shopify Point of Sale iOS app**.
- Consistently met high coding standards for an app used by retailers worldwide.
- **Completely rebuilt** gift-card barcode scanning view with functional and UI tests.
- Contributed to refactoring and redesign of Order Details and Refunds functionality.

iOS Developer Intern

Tulip Retail
Waterloo, ON
May 2016 - Aug. 2016



- Worked on Tulip's delivery team developing a white-label **retail store associate iOS app**.
- Acted as **lead iOS developer** for company's largest clients, Saks Fifth Avenue.
- Consistently met tight delivery deadlines, allowing app to reach thousands of employees.
- **Designed and developed** new screens for iPad app for filtering and sorting products.

iOS Developer Intern

MetricWire
Waterloo, ON
May 2015 - Aug. 2015



- Asked to take on an **iOS leadership role** after departure of senior management.
- Designed a passive geo-tracking module and audio / video response controller.
- Assigned tasks to other intern and coached him on the basics of iOS development.
- Brought **crash-affected users to an all-time low** upon my departure.

EDUCATION

McMaster University

Bachelor of Engineering
Graduated April 2019

Bachelor of Software Engineering and Management
Graduated with 3.2 GPA.

PROJECTS

iOS Apps

Swift/Obj-C

Launched five **iOS apps**, built between 2011 - 2019. **Lifetime downloads - 210k, revenue - \$50k**

Agora

Node.js/Kurento

Video streaming platform built for educators as a 2019 McMaster Software Capstone.

KnavesNES

C++

NES and 6502 CPU emulator built for a software design class.

crAlg

Node.js/Lua

Machine-learning engine that uses neuroevolution to learn to play Super Mario Bros.

ACHIEVEMENTS

WWDC Scholarship

Using infinitereddit as my application, I was invited to **WWDC** in San Francisco.

YHack Top 8 (x3)

Placed in the **top 8 at YHackin** 2014, 2015, and 2017 for projects Maestro, crAlg, and Hank.

Mac Eng Musical

Acted as **band director** for the Mac Eng Musical in 2017, leading an orchestra of 30 instruments.

iPhone Joe.ca

Ran an **iOS sales and repairs business**, serving over 1000 customers between 2013 and 2017.

TECHNICAL SKILLS

Languages

Swift, Objective-C, Javascript, Python, Java, C++

Technologies

React, SQL, GraphQL, node.js, Express, Apollo, Flutter, Webpack