

Karan Thukral

SOFTWARE ENGINEER · PRODUCTION ENGINEERING

+1 (226)-978-7543 | mail@karanthukral.me | www.karanthukral.me | [karanthukral](#) | [thukralk](#) | [@k_thukral](#)

Skills

- Languages** Ruby, Objective C, Swift, Go, Python
- Frameworks** iOS, Cocoa, Ruby on Rails
- Technologies** Kubernetes, Docker, Elasticsearch
- Tools** Git, Vim, Chef, Xcode, Vagrant

Experience

Production Engineer, Cloud Platform

Ottawa, ON

SHOPIFY INC.

May. 2016 - August. 2016

- Worked on a platform as a service for internal developers using Docker and Kubernetes.
- Containerized and ported the internal image resizing service over to Google cloud using Kubernetes.

Production Engineer, Developer Acceleration

Ottawa, ON

SHOPIFY INC.

September. 2015 - April. 2016

- Developed an on demand staging environment.
- Built tools for developer to get access to production fidelity data during development.
- Worked on the production pipeline allowing code to get from a developer's machine to production in under 15 minutes.

Mobile and Backend Software Developer

Ottawa, ON

SHOPIFY INC.

May. 2014 - April. 2015

- Built functionality to add discounts on individual products on Shopify for iPhone.
- Integrated 3rd party payment gateways into Shopify Point of Sale application.
- Designed and developed improved tools for the support team to help Shopify retail customers.

iOS Developer

Ottawa, ON

CANADIAN BROADCASTING CORPORATION

May. 2016 - Aug. 2016

- Built a fully native iOS implementation for CBC's news client.
- Implemented an HTML parser in Objective C to dynamically layout news articles in the application.

Projects

devctl

Present

- Developing a command line tool to simplify setting up and managing development environments.
- Currently implementing the ability to run docker containers for any required dependencies.

Hack the North Organizer

Jan 2015 - Present

- Part of the organizing team for Canada's largest hackathon in Waterloo, ON.
- Worked on the 2015 iOS application and managed volunteers in 2016.

Tendr

McHacks

- Built an iOS app that helps users to find their next meal.
- Won **1st Place** and a **Thiel Fellowship Grant** at McHacks 2015.

Code for Kids

May 2014 - Jan 2015

- Volunteered for an Ottawa based nonprofit which aims to teach kids how to code.
- Helped organize and run events in Ottawa and started a Waterloo chapter.

FIRST Robotics

Jan 2014 - May 2015

- One of the mentors for a local FIRST robotics team, Team Dave 3683.
- Worked with other mentors to help highschool students design, build and program robots as per the competition requirements.

Education

University of Waterloo

Waterloo, ON, Canada

BASC. SYSTEMS DESIGN ENGINEERING

September. 2012 - PRESENT

- Faculty of Engineering Dean's Honours List Winter and Fall 2014.