

Karan Thukral

SOFTWARE ENGINEER · PRODUCTION ENGINEERING

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Skills

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

Projects

devctl

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

Hack the North Organizer

- 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

- 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

- 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

- 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.

Experience

Production Engineer, Cloud Platform

SHOPIFY INC.

Ottawa, ON

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

SHOPIFY INC.

Ottawa, ON

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

SHOPIFY INC.

Ottawa, ON

May, 2016 - Aug, 2016

- 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

CANADIAN BROADCASTING CORPORATION

Ottawa, ON

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.

Education

University of Waterloo

BASC. SYSTEMS DESIGN ENGINEERING

Waterloo, ON, Canada

September, 2012 - PRESENT

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