

# Karan Thukral

SOFTWARE ENGINEER · PRODUCTION ENGINEERING

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## Skills

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

## Extracurricular Activity

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### iOS Developer & Logistics

- Reformed the society focusing on software engineering and building network on and off campus.
- Proposed various marketing and network activities to raise awareness.

### Programming Mentor

- Gained expertise in hacking & security areas, especially about internal of operating system based on UNIX and several exploit techniques.
- Participated on several hacking competition and won a good award.

### iOS Developer

- Gained knowledge about several business field like Management, Strategy, Financial and marketing from group study.
- Gained expertise in business strategy areas and insight for various industry from weekly industry analysis session.

### Waterloo Manager

- Gained knowledge about several business field like Management, Strategy, Financial and marketing from group study.
- Gained expertise in business strategy areas and insight for various industry from weekly industry analysis session.

## Experience

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### 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

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### University of Waterloo

BASC. SYSTEMS DESIGN ENGINEERING

Waterloo, ON. Canada

September. 2012 - PRESENT