Karan **Thukral**

SOFTWARE ENGINEER · PRODUCTION ENGINEERING

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Skills

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

Experience

Production Engineer, Cloud Platform
Ottawa, ON

SHOPIFY INC.
May. 2016 - August. 2016

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

Production Engineer, Developer Acceleration
Ottawa, ON

SHOPIFY INC.
September. 2015 - April. 2016

- Developed an on demand staging environment.
- Built tools for developers 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 using golang, 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 cometition 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.