

# NAKUL PATHAK
















University of Waterloo · 2B Software Engineering

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## WORK EXPERIENCE

- **Developer Operations Intern, Oracle** *January 2016 - Current*
  - Write bash, shell and ruby scripts to automate tasks through Teamcity configurations.
  - Edit Chef cookbooks to change system settings or add/migrate software across multiple servers.
  - Automate creation, bootstrapping and removal of machines in the Eloqua network through Chef cookbooks, bash scripts and rake tasks.
  - Add health checks to various Elasticsearch nodes through Sensu to immediately email the team in case of issues with cluster health.
- **Developer Intern, Payments Team, Shopify** *May 2015 - August 2015*
  - Added over 50 third party payment system integrations by automating addition of these systems to Shopify. Led project from early prototype to beta phase through test-driven full-stack web development work.
  - Improved financial GMV calculations by 10% by fixing long-standing issue where payment gateways sent duplicate responses, doubling total amount of transactions.
  - Independently created, open-sourced, and integrated Payment Icons ruby gem across Shopify's codebase, providing a simple and uniform way of adding these icons into any Rails app.

## RELEVANT PROJECTS

- **Personal Blog Gem** |  |  |  *February 2016*
  - Mountable Ruby on Rails engine that adds a markdown-supporting personal blog to any Ruby on Rails application.
  - Responsive layout with no user model and admin access provided through environment variables.
  - Downloaded over 500 times since it's launch on March 17, 2016.
- **One Press Man** | UoT HACKS 2016, 2nd Best Overall |  *January 2016*
  - Application that uses the Pebble watch's controls as a discrete, quick panic button to message preselected contacts and 911 in emergency situations.
  - Implemented the Pebble application in C to build screens and communicate with companion Android application when triggered.
- **Flash** | HACK THE NORTH 2015, Participant |  *September 2015*
  - Implemented an iOS application that provides users with deals which expire 5 minutes after opening.
  - Currently building a Node.js + Express application that allows Shopify merchants to post deals and receive payments.
- **Payment Icons Gem** | Open Source Contribution |  |  *August 2015*
  - Extracted Shopify's payment icons into an open-source gem currently used by over 500 3rd-party developers.
  - Ruby on Rails engine which mounts payment icon assets and frozen record model to access those assets into any rails app.
- **Inventory Notifier App** |  *February 2015*
  - Used Django and Twilio API to build web application that calls or texts Shopify merchants when their product inventory goes below 10 items.
- **Blogging Service** |  |  *December 2014*
  - Built a blogging service which includes OAuth authentication login, user profiles, following users, etc. using Flask.
- **MyoRunner** | ENGHACK, 2nd Best Overall |  |  *November 2014*
  - Developed arm gesture controlled Temple Run type browser-based game using Lua and Myo SDK.
- **Feed Me!** | HACK THE NORTH 2014, Participant |  *September 2014*
  - Created a Django web application which provides possible cooking recipes by parsing ingredients listed in a search across an API from Yummly.
- **Pick The Odd Image Out** |  |  *August 2014*
  - Built a web based game using AngularJS where the user picks which image out of three is the odd one out.

## EXTRACURRICULAR ACTIVITIES & ACHIEVEMENTS

- **Software Engineering Orientation Leader** *September 2015*
  - Led orientation group throughout week, set up events, guided students across different events, and answered questions about university life.
- **Engineering Ambassador, University of Waterloo** *September 2014- Current*
  - Represented University of Waterloo by creating online portfolio. Actively participated in events like move-ins, shadow days.