

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.
 - Use Chef and Docker to change system settings or add/migrate software across multiple servers.
 - Automate creation, bootstrapping and removal of machines in the Eloqua network.
 - Manage Elasticsearch and Kafka through Chef cookbooks.
 - Add health checks to various nodes in the network through Sensu.
- **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.
 - Currently in use as part of my personal website - 
- **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 250 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.
- **Reading List API** |  *February 2015*
 - Created RESTful API for managing a reading list using Ruby on Rails & CRUD methodology.
 - Utilized best practices such as versioning, namespacing, etc.
- **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.