

NAKUL PATHAK

☎ +1(226)868-8127 | ✉ n4pathak@uwaterloo.ca | 🌐 nakulpathak.com | 🐙 nakulpathak3

SKILLS

- **Languages:** Ruby, Python, Javascript, C++, SQL, Bash.
- **Frameworks:** Ruby on Rails, Flask, Django.
- **Tools:** *nix, Vagrant, Docker, Chef, Nginx, Sensu, Elasticsearch.

WORK

- **Shopify**, Growth Engineering/Identity Co-op. *September 2016 - December 2016*
Tech Stack: Ruby on Rails, Coffeescript, Git.
 - Helped set up initial foundations for Single Sign On project including authentication flows following OAuth2 and Open ID Connect specifications.
 - Reduced image load times on shopify.com by **10%** by adding CDN tools across the application.
 - Migrated models from storing data in YAML files to SQLite database thus allowing faster database lookups.
- **Oracle Eloqua**, Developer Operations Co-op. *January 2016 - April 2016*
Tech Stack: Ruby, Bash, Vagrant, Chef, Docker, Sensu, Elasticsearch, Git.
 - Improved TeamCity agents' set up process by allowing parallel execution and reducing set up time per machine from **4 hours to 1.5 hours** by automating the pipeline through Chef, Bash scripts & Rake tasks.
 - Reduced quarterly maintenance time from a **2 hours to 5 minutes** by creating Bash scripts to shutdown and start up various services across over 20 virtual machines.
 - Set up an internal gem server by creating a Docker container deployed using Apache Mesos.
- **Shopify**, Software Developer Co-op, Payments Team. *May 2015 - August 2015*
Tech Stack: Ruby on Rails, Coffeescript, Git.
 - Added over **100** third party payment system integrations by automating addition of these systems to Shopify. Led project from early prototype to beta phase through test-driven development.
 - Improved accuracy of financial GMV calculations by **5%** by filtering duplicate responses sent by external payment gateways.
 - Created and integrated open-source *Payment Icons* gem across Shopify's codebase, providing a uniform way of adding payment icons into any Rails app.

PROJECTS

- **Personal Blog Gem** | 🐙 | 🔗 *February 2016*
 - Ruby gem that adds a responsive and customizable personal blog with markdown support and code syntax highlighting to any Rails application.
 - Downloaded over **1500** times since March 17, 2016.
 - **Tools:** Ruby on Rails Engines, HTML, CSS, Javascript.
- **One Press Man** | UofT HACKS 2016, **2nd Place** | 🐙 *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.
 - **Tools:** C, Pebble SDK, Java.
- **MyoRunner** | ENGHACK, **2nd Place** | 🐙 *November 2014*
 - Arm gesture controlled Temple Run type browser-based game.
 - **Tools:** Lua and Myo SDK.

EDUCATION

- **Bachelor of Software Engineering, University of Waterloo** *September 2014 - August 2019*
 - Currently in 3rd year (3A term).
 - Extensively used C++ in multiple courses to learn programming concepts.