

NAKUL PATHAK

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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** | 🐙 | 🔗 *March 2016*
 - Ruby gem that adds a responsive and customizable personal blog with markdown support and 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** | UoT 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 - April 2019*
 - Currently in 3rd year (3A term)
 - Extensively used C++ in multiple courses to learn programming concepts