# Nakul Pathak

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## Skills

- **Languages**: Ruby, C++, Python, Java, Groovy, SQL, Bash
- **Frameworks**: Ruby on Rails, Flask, Django
- **Tools:** *nix, Vagrant, Jenkins, Docker, Chef, Nginx, Elasticsearch

## Work

- **Apple,** Build and Integration Co-op                                                   *May 2017 - Present*
    - Investigated multiple Jenkins job automation systems to find ideal implementation for Apple builds
    - Automated creation and modification of over **500** Jenkins jobs for the Applications team

- **Shopify,** Software Developer Co-op                                          *September 2016 - December 2016*
    - Set up authentication flows following OAuth2 and Open ID Connect specifications for Single Sign On project
    - Reduced image load times on shopify.com by **10%** using CDN tools
    - Migrated models from storing data in YAML files to SQLite database decreasing query execution time

- **Oracle Eloqua,** Developer Operations Co-op                                     *January 2016 - April 2016*
    - Decreased Teamcity agents' set up time by **63%** using Chef, Bash scripts and Rake tasks
    - Reduced quarterly maintenance time from **2 hours to 5 minutes** by automating virtual machine management
    - Set up internal gem server by creating a Docker container deployed using Apache Mesos

- **Shopify,** Software Developer Co-op                                              *May 2015 - August 2015*
    - Added over **100** third party payment system integrations by automating addition of these systems to Shopify
    - Improved accuracy of financial GMV calculations by **5%** by filtering duplicate payment system responses
    - Created and integrated open-source *Payment Icons* gem across Shopify's codebase

## Projects

- **Undergraduate Research**                                                     *September 2017 - December 2017*
    - Working with Jeff Avery on Human Computer Interaction research on maps zooming technology
    - Working with Dr. Semih Salihoglu on active in-memory graph database development

- **Personal Blog Gem** | ⭗ | ➶                                                              *March 2016*
    - Ruby gem that adds a responsive and customizable personal blog with markdown support and syntax highlighting to Rails applications
    - Downloaded over **2100** times since March 17, 2016

- **One Press Man** | UofT HACKS 2016, **2nd Place** | ⭗                                     *January 2016*
    - Android application that uses the Pebble watch's controls as a panic button to message preselected contacts and 911 in emergency situations

- **MyoRunner** | ENGHACK, **2nd Place** | ⭗                                                *November 2014*
    - Arm gesture controlled Temple Run type browser-based game created using Lua Myo SDK and Javascript

## Education

- **University of Waterloo**, Bachelor of Software Engineering                    *September 2014 - April 2019*
    - Previous academic term average **85.6%**
    - Received President's Scholarship of Distinction