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 and Rundeck.
    - Using Chef and Docker to add and change system settings across all servers part of the network in efforts to improve developer efficiency.
    - Implement application metrics gathering through Grafana, Carbon, Influxdb and 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

- **One Press Man** | UofT 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.
- **Blogging Engine** | ⍉ *July 2015*
    - Developed a mountable Ruby on Rails Engine which adds a blogging service to any Rails app if added as a gem.
    - Also created demo app that uses this engine - ⍉
- **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 Place | ⍉ | ⌷ *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.