NAKUL PATHAK

University of Waterloo · 2B Software Engineering

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SKILLS

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

WORK

- **Developer Operations Co-op, Oracle Eloqua** *January 2016 - April 2016*
  - Reduced time required to set up TeamCity agents by **63%** by automating the set up process through Chef, Bash scripts & Rake tasks.
  - Added health checks to **Elasticsearch nodes** through Sensu for dark launch of one of Eloqua's products.
  - Reduced quarterly maintenance time from a few hours to **5 minutes** by creating Bash scripts interacting with Chef (Knife), Apache, **Sensu**, Grafana, etc. to shutdown and start up services across over 20 virtual machines.
  - Set up an **internal gem server** by creating a Docker container using Geminabox that was deployed using Apache Mesos.

- **Software Developer Co-op, Payments Team, Shopify** *May 2015 - August 2015*
  - Added over **80** 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 a long-standing issue where payment gateways sent duplicate responses, doubling the total amount of transactions.
  - Created and integrated Payment Icons ruby gem across Shopify's codebase, providing a simple and uniform way of adding payment icons into any Rails app. Open source *here*.

PROJECTS

- **Personal Blog Gem** | ⬡ | ⬈ *February 2016*
  - Ruby gem that adds a responsive and completely customizable personal blog with markdown support and code syntax highlighting to any Ruby on Rails application.
  - Downloaded over **720** 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.

- **Flash** | HACK THE NORTH 2015, Participant | ⬡ *September 2015*
  - Implemented an iOS application that provides users with shopping deals which expire 5 minutes after you open them.
  - **Tools:** React Native, Braintree API, XCode.

EDUCATION

- **Bachelor of Software Engineering, University of Waterloo** *September 2014 - August 2019*
  - Received President's Scholarship of Distinction for having admission average over 95%.

MISCELLANEOUS

- **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.
- **Interests** - Soccer, cute coffee shops, beer, psychology, salsa (the dance *and* the dip).