

NAKUL PATHAK

University of Waterloo · Software Engineering

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TECHNICAL SKILLS

- **Languages:** Ruby, Python, Javascript, C++, C, HTML, CSS.
- **Frameworks:** Ruby on Rails, Flask, Django, Node.js, React Native, jQuery, Bootstrap.
- **Tools:** Git, Bash.
- **Databases:** MySQL, PostgreSQL, SQLite, SQLAlchemy (ORM).
- **Miscellaneous:** RESTful API development, Unix based systems, Algorithms & design patterns.

WORK EXPERIENCE

- **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.
 - Deployed Shopify's codebase to production over 15 times and made over 30 pull requests, following test-driven development and often pair programming with other team members.

RELEVANT PROJECTS

- **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.
- **Blorgh Engine Gem** |  *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 gem - 
- **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.
- **To-Do List API** |  *December 2014*
 - Learned REST principles and Flask by building API for managing to-do list through HTTP requests.
- **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.