

# rohan smith

drupal web developer/embedded hardware electronics developer


## contact

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## languages

English (first)  
Spanish (learning)  
Jamaican Creole  
(informal)

## programming

PHP, JavaScript,  
HTML, CSS, SQL,  
Java, Embedded  
C/C++, Assembly,  
Python, Bash, Scheme,  
Haskell.

## education

- 2007–2013 **Masters** of Philosophy (Computer Science) The University of the West Indies, Mona  
*X10ABOT: The Modular, Extensible, Scalable Robotics Platform.*  
This thesis brought together the necessary features of a good robotics kit architecture and implemented it using the Arduino hardware platform and C/C++.
- 2004–2007 **Bachelor** of Science The University of the West Indies, Mona  
Computer Science & Electronics (*Double Major*)

## experience

- 2012–Now **Thinkdrop LLC** Brooklyn, New York, U.S.A.  
*Backend Drupal Developer*  
Developed Drupal modules and features for various web applications. Maintained the company's website, developed Thinkdrop's in-house products and contributed to their open-source projects.
- Learned web-server backend automation with the chef project.
  - Wrote an open-source Drupal module for unit testing and contributed to other company made proprietary and open-source modules.
  - Worked with a multi-member team on git.
  - Helped to develop user requirements and implement them.
  - Worked with the Github API.
  - Maintained the sense of humor in the team :-)
- 2012–2012 **That Exactly & Bside Studios** Miami, Florida, U.S.A.  
*Drupal and PHP Developer*  
Did utility work for two sister companies, from server configuration to Javascript.
- Developed Content Staging site for writers using Drupal Workbench.
  - PHP development with the Rackspace API to do automated backups
  - Drupal Javascript and AJAX work.
  - Linux Environment Setup.
- 2011–2011 **StillRock** West Chester, Pennsylvania, U.S.A.  
*Drupal Site Builder*  
Did mostly Apache Solr work on a former MTV subsidiary site, [www.entertainher.com](http://www.entertainher.com).
- 2007–Now **Exterbox** Kingston, Jamaica  
*Co-founder/Technical Lead*  
Exterbox is my startup company where I do any interesting projects that may fall in the field of web or embedded electronics development. We work on creating "out-of-the-box" ideas to solve a client's needs or just to create cool products.
- Developed a infra-red perimeter security system for farmers.
  - Creating the Drupal Appstore (*in development*).
  - The X10ABOT Robotics Development System (*in development*).
  - Worked with SMS modems, Twilio and the Drupal SMS Framework

## Technological Skills








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### Languages:

- **Proficient:** PHP, Java, Embedded C/C++, JavaScript, HTML, CSS, XML, JSON, SQL.
- **Capable:** Python, Bash, Scheme, Haskell, Assembly.
- **Used once or twice:** ASP, Matlab, VB6, Perl, Ruby.
- **Applications:** L.A.M.P,  $\text{\LaTeX}$ , Arduino, Drupal, Adobe Design Suite, Git.
- **Drupal Specific:** Drupal 4.7, 5.x, 6.x, 7.x, 8.x, Solr, Drush, Features, Aegir, Panels, Ctools, Context, S.E.O, Display Suite, Workbench, Rules, Commerce, Entities, Omega, Twitter-Bootstrap, Devshop.

## online profiles

I am active in a number of online communities:

-  **Drupal:** <http://drupal.org/user/34622>
-  **Github:** <https://github.com/frazras>
-  **StackOverflow:** <http://stackoverflow.com/users/1106420/frazras>
-  **StackExchange:** <http://stackexchange.com/users/530574/frazras?tab=accounts>
-  **Twitter:** <http://twitter.com/frazras>
-  **Linkedin:** <http://jm.linkedin.com/in/rohansmith>
-  **Skype:** <http://myskype.info/rohanthesmith>

## interests

**professional:** Web development, UX design, mobile development, linux and server configuration, site searching, application architecting, marketing, idea brainstorming, embedded development, automation, robotics, telemetry, electronic security, computer and social networking, computer hardware, project management **personal:** hiking, photography, music, cooking, football(soccer), long-distance running.

## communication skills

2013	<b>Oral Presentation and Written Paper</b>	IEEE South East Conference 2013, Jacksonville, Florida, U.S.A Presented the research I conducted for my Masters of Philosophy degree.
2008	<b>Poster</b>	Pure & Applied Sciences Conference, UWI, Mona, Jamaica Presented the research I conducted for my Masters of Philosophy degree.

## useful assets

- Driver's License
- United States Non-Immigrant B1/B2 Visa