

# B.S. Electronic Systems Engineer

## IVÁN VALDÉS CASTILLO

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### Objective

To contribute with my skills and experience to the achievement of objectives and goals of a multinational company, in a computer, electronic systems or similar position.

### Education

Tecnológico de Monterrey, Campus Ciudad de México  
B.S. Electronic Systems Engineering

May 2004 – July 2008

### Activities and Honors

Electronic Systems Engineering Student Association  
Social events coordinator

January – December 2007

Electronic Engineering Student Association  
Webmaster and manager

January – July 2008

First place in "Digital Challenge" from the Engineering and Architecture Week at Tecnológico de Monterrey, Campus Ciudad de México

December 2006

Participation in Rails Rumble 2009.

Summer 2009

### Work Experience

#### Grupo Soluciones para la Vida, S.A. de C.V.

March – December 2006

##### Small office systems administrator

*Office Management Web App.* Development of a small web application to store and retrieve remote files. And to keep track of the calls received, and messages. Tools used: PHP, MySQL, HTML, CSS.

#### Secretaría de Desarrollo Urbano y Vivienda, Mexico City Government

January 2007 – September 2008

##### External assesor

*Comunidad Seduvi.* Design and development of the Intranet portal and home page. Tools used: Ruby on Rails, MySQL, HTML, CSS, JavaScript, Prototype.

*Bibliography Cards Manager.* Development of a single purpose web application, to store, search, and print cards, relevant to the information from the Secretary. Tools used: Ruby on Rails, ImageMagick, MySQL, HTML, CSS, JavaScript, Prototype.

#### Freshout Media, LLC.

October 2008 – Current

##### Senior backend developer

*Project A.* Development of a Rails web application (frontend and backend). iPhone application to synchronize with the web application. Management of the VPS. Tools used: Ruby on Rails, RSpec, Delayed Jobs, JavaScript, jQuery, MySQL, HTML, CSS, Objective C, Cocoa Touch, Capistrano.

*Project B.* Contributed to the frontend development. Integration of a backend API with Ajax and JSON. Modification of jQuery UI for custom sliders. Tools used: JavaScript, jQuery.

*Project C.* Contributed to the backend development. Helped to display, and modify users' settings. And tune Sphinx searches, based in keywords and geo-location. Connection with Twitter's API. Tools used: Ruby on Rails, RSpec, Cucumber, Haml, ThinkingSphinx, MySQL.

*Breezi/Empowerkit (Currently working on).* Backend design, development and lead of an interactive CMS generator. Tools used: Ruby on Rails, Rack, RSpec, Erubis, MongoDB, MySQL, MongoMapper, Nokogiri, Capistrano, Cheff.

### Personal Projects

*Movies iPhone App (Currently working on).* Development of a location aware movie list. Small Sinatra application to serve and synchronize scrapped movies, cinemas, and functions list over a REST API. Targeted to Mexico City, and Guadalajara cinemas. Tools used: Sinatra, DataMapper, Nokogiri, Objective C, Cocoa Touch.

*Web application to store a read later list of web pages (Currently working on).* Development of the backend, and an open REST API. Tools used: Ruby on Rails 3 beta, Rack.

*MongoDB.prefpane.* Development of a MacOS X preference pane to start and stop MongoDB. Tools used: Objective C, Cocoa. Available at GitHub.

*w0o.us.* Development of a tiny URL, and uploads service. Companion desktop app to upload files, and generate the tiny URLs. Sinatra application to handle the REST API. Rails application to manage the user data. Tools used: Sinatra, DataMapper, Ruby on Rails, Objective C, Cocoa.

Several Open Source small tools, available at <http://github.com/ivanvc>

### Skills

Languages: English - advanced (573 TOEFL), Spanish - native.

Programming Languages: Ruby, Objective C, HTML, CSS, JavaScript.

Database Managers: MySQL, PostgreSQL, MongoDB, CouchDB.

Operating Systems: Windows, UNIX derivatives (MacOS X, Linux, FreeBSD).

### Competences

Proactive, creative, organized, sociable, teamwork skills, responsible, self and short-term learning