

# Victor Denis Nava Gauna

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## EDUCATION

**2008-2012 B.S. Computer Science and Technologies** Monterrey, MX  
Instituto Tecnológico y de Estudios Superiores de Monterrey  
**Graduation** December 2012

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**2013-2015 M.S. Electronics Engineering** Monterrey, MX  
Instituto Tecnológico y de Estudios Superiores de Monterrey  
**Graduation** November 2015

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## COMPUTER LANGUAGES & APPLICATIONS

Languages/Frameworks: **Ruby on Rails, Chef, Objective C, Swift, PHP, Javascript, jQuery, CSS3, HTML**  
Databases: **MySQL, SQLite, PostgreSQL**  
Operating Systems: **Windows, Linux, OSX, iOS**  
Other: **Github, SVN, Jira, Quality Center, Harvest, Crucible, Jenkins, Chef, Docker, AWS**

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## PROFESSIONAL EXPERIENCE

**Cerner (Contractor to Employee)** Kansas City, MO  
May 2016 – Currently

Position: **Sr Software Developer**

- Responsible of migrating an iOS application to a web based solution by using **Ruby on Rails** and in-house developed gems.
- Modifying native iOS (**Objective C**) applications to exchange context information between WebViews and the native application.
- Responsible of deployment to DEV environments using tools such as **Docker, Chef, Spork, and Jenkins**.
- Generating automatic testing scenarios using **Rspec** and **Capybara** to reduce the amount of testing that has to be manually executed.
- Using **JQuery, HAML** and **CSS3** to create front-end solutions and provide the best user experience.
- Other tools that are used on the daily basis to help development collaboration are **Jira, Crucible** and **Git**.
- Contributing to other team projects providing solutions with new features.
- Building new solutions by creating highly reusable components designed and developed using **ReactJS** along with other technologies previously mentioned.

**AT&T (Contractor)**  
Oct 2013 – April 2016

Bothell, WA

Position: **Sr Software Developer**

- Provided maintenance and new developments for an authorization strategy using oauth 2.0 protocol
- Participated in triages with other teams to identify solutions to existing problems and defects that might happened from Backend environments
- Responsible of defect resolution reported or to be noticed in between all the environments used for pre production testing.

When production issue was raised, I provided support on a need basis.

- **Ruby on Rails** was the framework where the code was developed; it also involved web technologies (**HTML5**, **CSS3**, **jQuery**) and **HAML** to improve readability of the code.
- Deployments were made using **Chef** to install **rvm**, **unicorn** and **nginx**. Knowledge on these components was a must due to issue resolution needs.
- Related software used: **Github**, **Quality Center**, **Jira**

## **BASE22**

Jan 2013 – Oct 2013

Monterrey, MX

Position: **Enterprise Web Developer and iOS Developer**

- Direct contact with the customer to deliver a first class portal that communicates the corporation with their franchise owners, restaurant managers and other relevant audiences.
- The solution was developed using **IBM WCM** and web technologies (**HTML5**, **CSS3**, **jQuery**, **Bootstrap**, etc).
- Developed and implemented an API using **Ruby on Rails** to retrieve data from the main framework in order to distribute it to an iOS application.
- Developed an in-house app for Taco Bell, being the first **iOS** native application able to connect and retrieve information from **IBM's WCM** through **WebSEAL**. This was also presented to CEMEX, KFC, CNH and other customers to sell new mobile development contracts.
- Assisted to the KFC and CEMEX teams on a need basis to upgrade their systems to Taco Bell's architectural design.
- Related software used: **SVN**, **Jira**, **Harvest**

## **ILDOM**

Jan 2012 – Dec 2012

Monterrey, MX

Position: **Web Developer and Project Manager**

- Led a team responsible of design and development of systems for registration of events including the organization.
- Gave maintenance to already developed systems with major and minor fixes.
- Developed web solutions using **HTML5**, **jQuery** and **CSS3** to fit customers' needs.
- Used **RSpec** to create test-driven development. Experience on gems like **devise**, **paperclip** and **cancan** among others.
- Parsing data using **JSON** and **XML** data sent by the server.
- Involved in backend support development.
- Wrote **ruby** scripts for data parsing, web crawling and data migration.

## **INVOMEX**

Feb 2011 – Aug 2011

Monterrey, MX

Position: **Web Developer and Project Manager.**

- Used **jQuery** and **Bootstrap** for the front ends, **PostgreSQL** for the databases
- **Github** was the version manager used for the projects, setup was involved for a private server.
- Managed main server administration for the company, involving configuration between DNS and servers.

- Additional to **Ruby on Rails**, some projects were developed using **PHP** depending on the project requirements.

### **HOTELHT**

Monterrey, MX

May 2009 – Aug 2010

Position: **Web Developer**

- Identifying user needs on their daily work by doing on-field research.
  - Setup and maintenance of production **servers** and installation of new servers as needed.
  - Solutions involved **Ruby on Rails** development and some **PHP** development depending on the customer.
  - Front end was developed using **HTML**, **CSS**, **AJAX** and **Javascript**
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### PERSONAL PROJECTS

#### **Aug 2015 – Dec 2015 (CHEF: rvm\_passenger\_nginx)**

- Released a chef cookbook in the supermarket that manages full deployments and version updates from scratch. It also allows users to have different RoR versions for multiple applications support.
- The cookbook installs RVM, RoR, Passenger and Nginx to have a full stack RoR installation.
- This cookbook updates the source code every 'n' minutes by pulling its branch from github and installing the new version if needed to provide a continuous delivery solution.

#### **July 2015 – Nov 2015 (iOS and RoR: Cryptic)**

- Encryption involves a mix of asymmetric and symmetric keys in order to guarantee the security and integrity of the message, generating asymmetric keys, encrypting and decrypting both in the end devices and also to encrypt messages from/to the backend service (even do message's contents are already encrypted).
- Application is designed to have an encryption between multiple devices, allowing the user to have more than one device sending/receiving messages at a time.
- Application was submitted and approved to be in the iOS App Store on Nov 29, 2015
- Further development has been stopped due to Whatsapp's release of the encryption feature on April 2016.

#### **July 2010 – February 2011 (RoR: NFL Statistics)**

- Project started trying to win a fantasy league that I had with my friends, developed a system for educational use on NFL statistics using Data Analysis.
- This involved on-field studies on sports betting, meeting and learning from people on gambling houses that had already their own systems to make money and learning casino's own strategies.
- Developed bots to crawl information for every player and teams from the NFL website along with their historical statistics.

- Project ended with 85% certainty on winning team and expected score. Got 2<sup>nd</sup> place on the league using automated player drop/add decision capabilities.