

manuelmontoya

Full stack RoR/JS developer

about

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languages

native spanish
english
notions german

gems I use often

capistrano
factory-boot rspec
bootstrap sidekiq
unicorn hamlit sassrails
compass
decent_exposure
debugger carrierwave
devise cells
cucumber guard
capybara unicorn
rubocop react-rails
will_paginate
database_cleaner

profile

I'm a web developer with a lot of experience on e-Commerce, e-Learning, e-Health and Finance sectors. Last years I've been working remotely for US and Swedish based companies. Coding clean and good software is not hard if you know your tools and the domain.

I love coffee, coding software, learning new stuff and hiking with my dogs. I've been programming for eighteen fun years, since the old days when the Web was made with CGI pages and ugly java applets. Now I develop using Ruby, Clojure and JavaScript with SQL and noSQL DBs. I code under the TDD and Continuous Integration paradigms. I'm a big fan of Functional Programming and immutability. My daily desktop is i3 on Debian. I use NetBSD on my hobby servers because compiling source code is fun. Check my ZentaurLMS repository on github to see what I'm doing nowadays.

I use Emacs as my default editor because nobody is perfect... and Lisp!

summary of qualifications

- Eighteen years of experience delivering non-trivial Web solutions, from Single Page Applications with React or a new SCORM player, to implementation of Archetype-based medical semantics on e-Health.
- Advanced OOP level with Ruby, Perl, JavaScript and PHP.
- Lots of experience installing and configuring server side services (HTTP server, RDBMS, RabbitMQ, Subversion, Git, SMTP, SSH, FTP, DNS, LDAP) on Linux and BSD servers.
- Aware that good communication, respect and close collaboration inside a team are very important to create great products.
- Good and patient helping the junior developers.

technologies I use often

RoR (since 2008), JavaScript, Lisp, Perl, jQuery, Node.js, ReactJS, Redux, Webpack, Git, Github, Clojure Apache, Nginx, PostgreSQL, MySQL, SQLite, Redis, Linux, Solaris, tmux, JSON, SSH, XML, RESTful architecture, Test Driven Development (rspec), Integration Server (Jenkins), I develop under Scrum and Kanban methodologies

education

1995 - 2000)	B. Sc. in Computer Science Faculty of Sciences, Mexico City	National University (UNAM)
June 2008	OOP Design Patterns with Python London, England	JB1 Training
December 2010	Re-manufacturing your Rails code with patterns Leipzig, Germany	Global Day of Code Retreat

professional experience

Ruby/ReactJS Developer *HOMIE* Sep. 2016 - Dec. 2018

- Homie is a startup that provides Real State related services. In this project I worked with people from the financial and data science fields to create a new *Risk Score Assessment Tool*.
- I lead a team of 4 remote engineers to build and launch in five months the tool using Rails, MongoDB, RabbitMQ, React and R language.
- In this project I integrated five REST APIs in order to receive payments and consult social networks.
- I developed and deployed several services on AWS.

RoR/JS Developer *Las Lomas Veterinary Clinic* Sep. 2015 - Sep. 2016

- I developed a full Customer Management System from scratch using Webpack/React/Redux in the front end.
- I coded a RoR4 JSON API as service. I used PostgreSQL JSONB option.
- Full TDD covering using Rspec and Mocha/Enzyme in the front end.
- The Website included payroll, suppliers, appointments and invoice sections.
- I coded a gem to connect the mailing list with MailChimp.

Ruby Developer *ePublishing, inc.* Mar. 2014 - Jul. 2015

- I coded a new RESTful JSON API for a pharmaceutical client with Rails 4.0 to search for prescribed drugs and medical supplies. Redis was used to store special deals and taxes by state.
- I wrote the full integration between Rails 4 and Gigya.com API services (shared sessions, comments, social networks).
- I coded a Newsletter Manager gem. I imported and normalised 300,000 scientific articles and abstracts from different sources and formats.
- I coded ruby scripts to update and interchange data between several kind of databases and JSON files.

PHP5/RoR Developer *PCSB, SA de CV* Jun. 2007 - Jan. 2014

- Six years leading a team of three developers, a pedagogic planner and a graphic designer to create four medical web sites, including a new tool to search, import and display medical resources (video, audio, books, magazines).
- I designed and coded a new e-Learning platform (virtual classrooms, chatrooms, e-tests) for a Medical Institution using Rails 3 and Postgres. I developed and implemented SCORM courses.
- Google and Facebook APIs were used to create Docs, Sessions and Calendars inside the Rails platform.

Developer and webmaster *University of Mexico* Sep. 2004 - May 2007

- Maintaining and porting legacy code from PHP3 spaghetti code to OOP PHP5 using CakePHP framework.
- A budget/purchases system, delivering XML and PDF reports.

Web Developer *Bank of Commerce (Bancomext)* Jan. 1998 - Aug. 2004

- I designed, developed and deployed an Intranet solution using Perl and PHP over Solaris servers and Oracle as RDBMS.

- Using Perl and MySQL I developed a Loan Management System to filter loans and a Web File Sharing System.