Resume

José Miguel Ángel Ronquillo Rivera   *Mexico City, July 2022*

Telephone Number: +52 56 3114 6516
Email: josrr@ymail.com

Education

– Computer Engineering. 9Th semester. Facultad de Ingeniería. UNAM.
– National Preparatory School — *José Vasconcelos*.

Programming Languages

– Bash
– C
– C#
– Common Lisp
– Java
– JavaScript
– Lua
– Perl
– PostScript
– Scheme
– TeX

Computer skills

1) Java programming

   – Spring Boot
   – Java Persistence API
   – JavaServer Faces
   – Hibernate
   – Servlets

2) C programming for UNIX

   – Processes, threads, pipes, sockets, shared memory and signals.
   – User interfaces: command line, Ncurses & Gtk.

3) Perl programming

   – On UNIX: Gnu/Linux & Mac OS X
   – On Windows.
   – GUI with Gtk.
   – Generation of self-contained executables.
   – Web applications programming with mod_perl & Apache or CGI.
   – REST APIs with Dancer.

4) Common Lisp programming

   – Applications for Android, using Java and ECL (a Common Lisp implementation).
   – Web applications using Hunchentoot.
   – REST APIs with Restas.

5) JavaScript programming

   – Web APIs using Node.js

6) PostScript programming to automate document generation.
7) Document preparation with TeX, LaTeX & PostScript.
8) Design and implementation of databases (PostgreSQL, MySQL, Sqlite, Oracle & CouchDB).
9) GNU/Linux system administration (Debian & Red Hat).

Professional experience

Unifin
March 2022–June 2022

I participated in the construction of the Unifin customer portal, React and Python were used.

Teambits
December 2021–February 2022

I removed the vulnerabilities pointed out by Checkmarx on a system written in Java.

Seguros Azteca
May 2021–Octubre 2021

Automatization of electronic invoicing. The Java language, the Spring Boot framework and the Oracle database were used.

Freelance
January 2020–April 2021

I collaborated in the development of a system to coordinate the production of Conaliteg books; for the back end, the Spring Boot framework and the MySQL database were used; Angular was used for the front end.
    I developed various web applications both in Common Lisp and JavaScript.

Infotec
May 2019–December 2019

Senior full-stak developer (Java, JavaScript & Weblogic).

Freelance
October 2017–April 2019

I wrote in Common Lisp a desktop applicattion using Mc-CLIM to digitize the archive of DGRT (Dirección general de regularización de la tierra). The backend also was written in Common Lisp and the system uses PostgreSQL.
    Then I wrote a system to verify (count, photograph and physical condition) the books of the Registro Civil de la Ciudad de México. This system included an Android aplication written in Scheme; the backend was written in Common Lisp using Hunchentoot.

Temple
June 2016–October 2017

Scientific application developer (Orion Earth) in C# language.

Registro Civil de la Ciudad de México
March 2013–June 2016

Application developer (Web and Desktop) in Common Lisp, C, Perl and PostScript.

Redman Technologies
January 2010–April 2013

JavaScript API developer using Node.js. I participated in the development of web APIs written in JavaScript and Coffeescript using Node.js. In some of the APIs we used Memcached for speedup the most costly calls.

Registro Civil de la Ciudad de México
April 2008–March 2009

I performed systems for the processing of digital images; this images were photographed from the books of the *Registro Civil*. I wrote in C the program to binarize the images, originally this images had a color depth of 24 bits. Also I wrote in Perl a system for the concurrent processing of the images in multiple computers. I wrote some other web applications.

Instituto Latinoamericano de la Comunicación Educativa
August 2004–June 2007

I wrote the forums system for the RedEscolar project and a system for the generation and delivery by electronic mail of diplomas in PDF format.

Instituto Latinoamericano de la Comunicación Educativa
September 2001–May 2003

I implemented a content management system for the Sepiensa website and a mailing lists system with a web front-end, both projects in Perl (Apache & mod_perl).

Internet de Alta Calidad
September 2000–August 2001

Web applications using Java and the Enhydra application server.

Free Software

Music Player Daemon (MPD)

I wrote the jack (Linux audio server) plugin for this audio player.
https://mpd.wikia.com/wiki/Music_Player_Daemon_Wiki

Quietly Confident

I modified QC for running on Windows and Mac OS X. I also generated a self contained executable with PAR::Packer. In windows I used Strawberry Perl.
https://github.com/josrr/Quietly-Confident

CREPL

Android Application. A REPL (Read-Eval-Print-Loop) for Common Lisp, based on ECL (Embeddable Common Lisp).
https://github.com/josrr/crepl

More projects

https://rufina.link, https://github.com/josrr & https://rufina.link/portafolio/