

Jonathan Hernández (He/Him)

Full-Stack Software Developer

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As an experienced, and self-taught full-stack software developer, I've built systems and tools used across many domains, with a passion for superior user experience.

TECHNICAL SKILLS

Strong: Ruby, Javascript, PHP, HTML, CSS, MySQL, Git, Ruby On Rails, Linux.

Knowledgeable: EmberJS, Python, TypeScript, React, Nginx, Redis, GraphQL, NodeJS.

WORK EXPERIENCE

Full Stack Developer and IT Coordinator CIMAV October 2003 - Present / Chihuahua, MX

- I developed, enhanced and supported systems responsible for managing workflow, quotation and billing, supplies management, among other functions, for 80+ scientific laboratories. These systems were built on top of RoR, MySQL, EmberJS, Redis and Oracle.
- I developed, enhanced and supported a school administration system responsible for managing day-to-day Master and Ph.D. programs at CIMAV. This system was built on top of RoR, jQuery and MySQL.
- I developed, enhanced and supported systems responsible for managing scientific productivity (journal articles published, books science projects, etc), executive dashboard, and employee bonuses and promotions. These systems were built on top of RoR, MySQL and GraphQL.
- I developed, enhanced and supported an Intranet for employees with social network, department sites and document sharing features. This Intranet was built on top of RoR, React, PHP and MySQL.
- I developed a service desk software that manages a simplified version of ITIL/COBIT for Mexico's Federal Government compliance. This software was built on top of RoR, jQuery and MySQL.
- I manage a department of 6 engineers: IT Support, Systems/Infrastructure Administration, and Scientific Computing areas. Coordinate IT strategic planning and project management.
- I mentored over 40 engineering students in software development and systems administration at CIMAV internship program.

Computer Integrated Manufacturing Software Engineer Motorola February 2003 - October 2003 / Chihuahua, MX.

- I contributed to enhancements to their CIM platform for mobile phone manufacturing.

Systems Analyst Visteon August 2000 - February 2003 / Chihuahua, MX.

- I developed and enhanced the following intranet web applications: Live Manufacturing Reports, Kanban and Pull System for electronic supplies warehouse management.

OPEN SOURCE CONTRIBUTIONS

- I developed the front end for Cherokee Web Server admin and contributed to the Cherokee Market design. These were built on top of Python, Javascript, HTML and CSS. January 2007 - February 2011
- I started and led Jaws Project CMS Framework, it was written using Object Oriented PHP and MVC software architecture. Jaws team included developers from México, Iran, Iceland, Canada, the United Kingdom, and Germany. Currently, it is maintained by contributors. January 2002 - January 2008

EDUCATION

2000 B.Sc. in Computer Engineering, Instituto Tecnológico de Chihuahua II