

# Raymundo Vásquez Ruiz

## Computer Engineer

Birthdate: March 8th, 1985

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Software engineer with more than 10 years of experience. Writing applications for the desktop, computer to computer integrations (middleware) and for the web.

Particular expertise in NodeJs and NoSQL databases, past experiences in PHP, Java and Python. Experienced in system administration with excellent knowledge of Debian GNU/Linux and derivatives. Ability to acquire technical knowledge and skills rapidly. Excellent communication skills, both oral and written. High teamwork and collaboration skills.

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## Experience

### Urbantz / Senior Software Engineer

August 2019 - Present Day

- Product development

Member of the product development team, collaborating in the creation and refinement of a SaaS solution within the logistics world.

This solution is being built using MongoDB, ExpressJs, AngularJs and NodeJs, deployed in the backend, frontend and mobile platforms. Unit testing is performed with Jest and end-to-end testing using Protractor and Selenium.

Code collaboration, continuous integration and continuous deployment orchestrated using GitLab.

We work with an agile methodology using time framed sprints and reviewing the information in Jira.

### Brussels Photonics Team - Vrije Universiteit Brussel / Full Stack Developer and System Administrator

February 2011 - July 2019

- Programming web applications for the research team and its partners.
- Coaching junior developers.
- Administration of Gentoo and Debian web and simulation servers.
- Programming ad-hoc solutions for our environment.
- Creation of websites using Drupal 7 and Wordpress.
- Administration of all network resources.

During the last two years I was in charge of the entire design and development of a new software platform to create and maintain business process workflows. The platform includes a workflow engine, a web forms creator and different task managers.

It's core is framework independent PHP, storing the information in MySQL databases with Doctrine ORM. The web backend is built with Symfony 3, the frontend uses a mixture of VanillaJS and Vue.js . It uses NoSQL databases for indexation and search as well as message brokers for tasks coordination.

Within the framework of the ACTPHAST project I was in charge of designing, programming, testing and maintaining a web application that implements the decision workflow to evaluate the feasibility of different project proposals and its posterior

execution and follow-up in case of being approved. This workflow was created using Symfony2, Doctrine and Foundation frameworks, it integrates with ZOHO CRM to extract data and GMail for specific alerts.

To support the research team I also perform different tasks that include: creation of websites using Drupal 7 and Wordpress for outreach activities, administration of a server farm with 8 physical servers and several virtual servers using XEN and VirtualBox, administration of Sophos (formerly Astaro) web security devices, development of Python scripts to provide an automatized workflow solution for several tasks in different platforms, such as LDAP, CROWD, Confluence and Google Apps.

### **Stylelabs / Web Developer**

February 2010 - December 2010

- Websites development on top of the ADAM framework using C# and ASP .NET.
- Design and programming core components for the web sites (API backend)
- Research on No-SQL technologies such as Lucene, SOLR and CouchDB.
- Programming backend infrastructure regarding massive data migration.

Development of internal LEGO assets administration system (web backend).

Development of a large scale migration software for Adidas, the application transferred the information from the legacy assets manager to the new one developed by Stylelabs. Development of applications to extract information from SQL databases to store them in SOLR or Couchdb. Development of components for faceted navigation and full text search components for Lego, Adidas and AB Inbev portals using NoSQL databases.

### **Alternativas en Servicios Empresariales / Software Developer**

October 2008 - May 2009

- Accounting software development.
- Web applications development.
- File, web and FTP servers installation, configuration and administration using Debian GNU/Linux.

Development of web application, for the legal department, that allows registering and indexing civil proceedings. This application was made using PHP 5, JScript, HTML, CSS and MySQL database engine. Development of accounting software that calculates the salary of more than 25,000 employees in several companies in Mexico. This software was made using C# .NET 2.0 and MySQL database engine.

### **Linexa Oaxaca - General Motors / Software Developer**

September 2007 - March 2009

- Software development for sales representatives.
- Team coordinator.

The software was developed using .NET 2.0 platform in C# programming language and SQL Server database engine. It was created to control the clients and appointments of the sales representatives. Also I developed a Windows Mobile version of the software using C# on .NET CF 2.0 and SQL CE.

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## Education

**Universidad Tecnológica de la Mixteca / Computer Engineer**

August 2002 - July 2007, Huajuapán, Oaxaca, México

I've obtained my degree with excellent performance according to National Evaluation Center (CENEVAL).

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## Skills

- Programming languages: Javascript, Rust, PHP, Python, Java and C#.
  - JavaScript libraries: Vue.js, React.js, JQuery and KnockoutJS.
  - Web frameworks: Symfony2 and Symfony3, Express.js (with Node.js), Django.
  - NoSQL: Lucene, SOLR, CouchDB, MongoDB.
  - API development.
  - GNU/Linux Apache MySQL PHP (LAMP) server administration.
  - Message Brokers: RabbitMQ.
  - OO Analysis and Design: UML, Design patterns.
  - Control versioning: Git, Subversion.
  - Virtualization and Containerization: XEN Hypervisor, VirtualBox and Docker.
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## Languages

- Spanish: native speaker.
- English: fluent.
- Dutch: good.
- French: intermediate.