

Raymundo Vásquez Ruiz

Computer Engineer

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Brussels, Belgium

<https://vasquezruiz.me>

Dedicated computer engineer, specialized in data centers, cloud computing, software architecture, product engineering, and digital sustainability. Researching and communicating about data centers and the impacts of other digital technologies on nature and societies around the planet.

Experience

Diverse

September 2025 – Present day

Voluntarily maintaining digital infrastructure through a distributed data center located in Mexico. Helping with cyber security and implementing the necessary measures for land defenders. Providing workshops on cyber security, social networks, AI and the impact of digital technologies in the planet.

Working as Expert Reviewer for the Mozilla Foundation in regards to the Catalyst Fund process.

Participating with the Weizenbaum Institute in a fellowship within the Community Data Centers research group.

Building a web application to encourage and facilitate learning Diidxazá language as a Spanish speaker.

Levv / Lead Cloud Engineer

January 2024 - July 2025

In charge of developing cloud computing and storage services for customers. These cloud services are available through command line applications and web dashboards.

Responsible of the edge data center design, installation and configuration.

Technical skills: Data center design, computing networks, Kubernetes, Golang, Cloud Computing, Software Architecture, Linux system administration, cybersecurity.

Other skills: PaaS product management, communication with stakeholders, research on software's carbon footprint.

Mintblue / Senior Software Engineer

February 2023 - December 2023

Member of the engineering team in charge of developing and maintaining an open source SDK to create applications on the blockchain, focusing on the data protocol.

Technical skills: Typescript, React, Express.js, Docker, Cloud services, MongoDB and PostgreSQL, Redis, Gitlab CI/CD, BitcoinSV, Chai.js, web security, cryptography.

Other skills: information analysis, research and experimentation.

Neuroventis / Technology Lead (CTO)

August 2020 - December 2022

Member of the leadership team in charge of product engineering.

The main functions for my role were:

- To create a scalable product. I have identified and sorted bottlenecks in regards to data management, privacy and security and worked towards redesigning the architecture in order to fulfill these needs and be able to deploy the solution in new markets.
- To create a scalable team. Identify the roles needed within the technical team and proceed with the hiring process for them. I follow closely on the team members, maintaining relationships that enable focus and high motivation, providing coaching and mentoring on technical matters.
- To define the vision to deliver the software.
- To define the technical strategy for the company.

Technical skills: Typescript and Javascript, React and React Native, Sails.js, Koa.js and Express.js, AWS cloud, MongoDB Atlas, Redis, Docker, Gitlab CI/CD, Jest, Cybersecurity.

Other skills: Collaborative leadership, ISO 13485 and 27001 regulatory frameworks, coaching, team management, communication.

Urbantz / Senior Software Engineer

August 2019 - July 2020

Member of the product development team, collaborating in the creation and refinement of a SaaS solution within the logistics world that optimizes last mile delivery routes.

Technical skills: Node.js, Angular.js, AWS cloud, Gitlab, Docker, Kubernetes, GIS.

Other skills: team collaboration.

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

February 2011 - July 2019

Co-designed the research team's data center. Developed software applications for the research team and its partners. This included applications intended to be used by the general public and research tailored applications.

Technical skills: PHP Symphony, Python, XEN, Puppet, Linux, data center management.

Other skills: Information analysis, research, experimentation, coaching and mentoring, intersectional team collaboration and communication with stakeholders.

Stylelabs / Web Developer

February 2010 - December 2010

Developed web applications for assets management.

Technical skills: C# and ASP .NET frameworks.

Other skills: resilience.

Alternativas en Servicios Empresariales / Software Developer

October 2008 - May 2009

Developed applications for accounting professionals.

Technical skills: Java.

Other skills: team collaboration.

Linexa Oaxaca - General Motors / Software Developer

September 2007 - March 2009

Developed mobile applications on PDAs for car sellers.

Technical skills: C# .NET.

Other skills: team collaboration and communication with stakeholders.

Education

Universidad Tecnológica de la Mixteca / Computer Engineer

August 2002 - July 2007, Huajuapán, Oaxaca, México

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

Dutch translation available at https://vasquezruiz.me/pub/doc/Diploma_RaymundoVasquezRuiz_NL.pdf

Articles and Publications

Sacrifice Zones: Greenwashing Digital Infrastructure for Profit as an Illusion for Sustainability – featured in *Cosmology of Internet Infrastructure* compiled by Esther Mwema

<https://branch.climateaction.tech/issues/issue-9/cosmology-of-internet-infrastructure-three-visions-to-bridging-the-digital-divide/>

Digital Power Relations and the Caribbean: An exploration of the internet architecture and data extraction, centered on Puerto Rico – featured in *Webs of Water* compiled by The Ocean

Archive <https://ocean-archive.org/story/digital-power-relations-and-the-caribbean>

Merk, T., Ullrich, Girard, L., Rehak, R., Pütz, J., Vásquez Ruiz, R., Mannan, M. (2027) **Community Data**

Centers - Co-imagining digital infrastructures in tension with the Californian Ideology.
Journal of Communication (in second review round).

Presentations

Los impactos del mundo digital en el planeta – presentation made for the Futuros Indígenas network. Available at <https://www.youtube.com/watch?v=pvoZr8pPdc4>

La llamada “Inteligencia Artificial” – presentation made for the Futuros Indígenas network. Available at www.youtube.com/watch?v=v2Xn6Wh5OQQ

Certifications

Diseño de Estrategias de Conectividad Comunitaria en Territorios Indígenas y Rurales en América Latina. Obtained on November 2025
Certificate available at <https://vasquezruiz.me/DEDCCALC.pdf>

Green Software for Practitioners / The Linux Foundation. Obtained on April 2023
Certificate available at <https://bit.ly/gsp-rvr>

Interpersonal Communication for Engineering Leaders / Rice U. – Coursera. Obtained on December 2021
Certificate available at <https://bit.ly/icel-rvr>

Engineering Practices for Building Quality Software / U. of Minnesota – Coursera. Obtained on November 2021
Certificate available at <https://bit.ly/epbqs-rvr>

Skills

- Collaborative team leadership.
 - Software architecture analysis and design.
 - API design and development.
 - Programming languages: Go, Javascript, Typescript, and Rust.
 - Front-end frameworks: React.js and SolidJS.
 - Databases: MongoDB, SQL, and Redis.
 - Kubernetes.
 - WebAssembly.
 - RabbitMQ.
 - Cloud infrastructure.
 - Virtualization and containerization: Docker, VirtualBox and XEN Hypervisor.
 - GNU/Linux server administration.
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- Spanish: native speaker.
 - English: fluent.
 - Dutch: good.
 - French: basic.