

# Roberto Hinojosa

Computer science

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## Skills

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## Experience

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### Roberto Hinojosa

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- Programming Languages: Python (12 years), JavaScript/Typescript( 4 years), Java, C#.
  - Frameworks: FastAPI, Django, Flask, ReactJS, Express JS.
  - Cloud Services: AWS (Lambda, DynamoDB, S3, CloudFront, ECS).
  - Databases: SQL, Elasticsearch/OpenSearch, MongoDB.
  - DevOps & CI/CD: Docker, Jenkins, Kubernetes, GitHub Actions, Terraform.
  - IoT & RFID Technology
  - Project Management: Agile, Scrum
  - Languages: Spanish and English
  - ML Ops
  - ML Feature store operations

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### Mercado Pago / Machine Learning engineer

Kibana, Fury, OpenSearch, Docker, AWS, CI-CD, Agile.

NOV 2023 - Actual

- Development of the change management module for the ML Feature store
- Collaborated with cross-functional teams in an Agile environment, utilizing tools like Docker, and Kubernetes.
- Manage version control and code collaboration using GitHub, following Scrum methodologies for project management.
- Part of the team that developed a Python-Flask Feature Store and change management.

### 3Pillar Global / Senior Software engineer

SaaS project: FastAPI, OpenSearch, Pydantic, Docker, AWS, CI-CD, Agile.

NOV 2021 - JUN 2023

- Development of a SaaS project, utilizing FastAPI-Python. OpenSearch, Pydantic, and Docker, hosted on AWS with a CI/CD pipeline.
- Collaborated with cross-functional teams in an Agile environment, utilizing tools like Docker, and Kubernetes.
- Managed version control and code collaboration using GitHub, following Scrum methodologies for project management.
- Part of the team that developed a Python-Django SaaS application with TypeScript-React frontend, GraphQL, and SQL database, ensuring high performance and scalability.

## **BairesDev / Software engineer**

JUN 2021 -Oct 2021

- Add unit test to existing endpoints.
- Use and, train the dev team in Test Driven Development
- Develop API endpoints using Python, Flask, SQLAlchemy, flask=smorest PostgreSQL in a dockerized app.
- Develop UI using ReactJS and JS
- Flask Python, Docker, Scrum

## **RHinoSoft / Project Leader**

FEB 2020 - FEB 2021, Monterrey

- RFID tracking local service: Using Raspberry Pi / Django/ Python, RFID readers, and printer technology to automate. The location of tagged items in a production/warehouse facility.

## **Electronica Universal / IT consultant**

JAN 2018 - JAN 2020, Monterrey

- WordPress/Woocommerce eShop implementation.
- Special clients search and order system (node JS, MongoDB, JS-React frontend Woocommerce API, and Woocommerce WebHooks).

## **Tebon Class-Playtrack/ Software engineer**

JAN 2015 - JUN 2017, Monterrey

- In charge of a mobile point-of-sale solution used in Mexican casinos (whereby Mexican law gaming machines cannot take money directly). The solution uses .net web server technology and Android mobile devices as a mobile point of sale. Java.
- IoT solution that takes info from gambling machines via rs232 and sends it to a server using Raspberry PI devices and Python.

## **Freelancer:**

Jan 2003 - Jun 2015.

Working as a consultor on mobile devices for different customers

During this period work on different projects in partnership with Sysmovil S.A. de C.V.

Participating in different forms in the business process as:

- Sales and pre-sales support.
- Solutions Architect.
- Planning scheduling and Project leader.
- Software design and development.
- Installation and set up of the solutions.
- Interface design and build.

The following list presents my lead in this projects:

- BlockBuster México: Remoteware Server migration/upgrade and setting up (300 clients).
- Petromax (a subsidiary of 7eleven México): Modification and set up of the vending system in the gas stations using Pidion 1500 devices. Installation and set up of SOTI Mobicontrol MDM. Developed in C# with Windows mobile.
- 7Eleven México: Remoteware Server migration/upgrade and setting up (1800 clients).
- DeAcero: Vehicle and material automation system using active RFID tags. Analysis design and construction of an automated system for the material reception and classification in the reception material yards. In this case, the vehicles are identified at 100 feet and the classification of materials is written in an RFID tag. The solution uses Identec hardware. And the interface with the reception system was written in **Python**.
- Pepsico Remoteware Server migration/upgrade and setting up (100 clients).
- Pepsico Route accounting system.
- Courier proof of delivery system.

1998–2003      Unimicro S.A. de C.V.      México City

IT Manager

I had under my responsibility the sales, technical support, design, development, and delivery of solutions of Unimicro S:A. As well as to maintain the technical leadership and to bear and to qualify to the subsidiaries of Brazil and Argentina. I was in charge of a team of 8 people with which we carry this task subsequently they are listed some of the projects.

Re-organization of the area of systems Itsself achievement that the area of development was a unit of profitable and independent business

In the time that performs my charge we carry out the following successful projects:

- Telefonos of Mexico (Interface Telxon SAP/R3)
- British American Tobacco (Interface Telxon SAP/R3)
- Comision Federal de electricidad (Interface Telxon SAP/R3)
- 7-Eleven de Mexico System of electronic orders (batch)
- OXXO in stote inventory.
- Technical support diverse retail clients as Soriana, HEB, Gigante, Commercial Mexican, Chedraui, Carrefour, (RF)
- HEB In Store RF automation (RF-Wavelink-VB-SQL Server).
- 1994–1998      Unimicro S.A. de C.V.      Monterrey
- Local IT manager
- Technical Sales support.
- Develop prototypes, design and build solutions.
- Pepsi: Route accounting system
- Agua y drenaje de mty
- Coapaes Comisión route meter reading system
- Cigarrera La moderna (control de ingreso y pesado de tabaco)
- John Deere (contol de producto terminado)

- Carrier (Control de embarques)
- Amway (Control de almacen)

1990–1993      SIS Desarrollo      México D.F/Puerto Rico.

Programmer analyst

- Telemarketing system Caribbean Crafmatic contour, Caguas Puerto Rico developed in Mapper.
- Mapper system analyst in Celanese Mexicana en in México City.
- Retail merchandizing system (Grande) for Grupo Mazon Hermanos in Hermosillo Sonora

1986-1989 ITESM

- part of the computer repair lab (Apple II, IBM PC, Altos, HP900, Next. ( in my senior year I was in charge of the lab)

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## Education

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**ITESM (Campus Monterrey) / Bachelor in Electronic Engineering**

SEP 1985 - MAY 1989, Monterrey