

Jose de Jesus Herrera Ledon

Software Engineer

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Experience

08/2022– **AI Software Engineer, Intel, Remote**

- 09/2025 ○ Developed and optimized AI frameworks for high-performance computing.
- Contributed to open-source projects, enhancing community collaboration.
- Implemented gemm XPU for Torchrec, improving performance on Intel GPUs.
- VSCode extension development for Intel AI tools, enhancing developer experience.
- Lead of Cloud Data Connector library, integrating with various cloud platforms.
- Collaboration on Gaudi samples, showcasing AI capabilities on Intel hardware.

07/2021– **Senior Software Engineer, UMBA, Mexico City**

- 08/2022 ○ Developed and maintained web applications using Flask and TypeScript.
- Team lead of customer experience team, focusing on enhancing user engagement.
- Creating and maintaining RESTful APIs for transactions and data processing.
- Developed internal tools for data analysis and reporting.
- Developed customer experience tools, enhancing user engagement and satisfaction.
- Collaborate with financial and development teams to ensure compliance and efficiency.

11/2019– **Senior Software Engineer, Intel, Guadalajara, Mexico**

- 07/2021 ○ Developed software for quality and business intelligence.
- Design and implementation of data pipelines for large-scale data processing.
- Add Airflow workflows
- Design and migrate databases using OLAP cubes.
- Implement data visualization tools for real-time analytics with django.

10/2018– **Senior Software Engineer, Contpaqi, Guadalajara, Mexico**

- 07/2019 ○ Working in Research and Technology department.
- Developed innovative solutions for financial software.
- Create analytics for transactions and user behavior.
- Implement machine learning algorithms such as NLP for data analytics.

08/2016– **Team Lead Software Engineer, HCL Technologies, Guadalajara, Mexico**

- 09/2018 ○ Led a team of software engineers in developing enterprise ML applications.
- Implemented Agile methodologies to improve project delivery.
- Developed and maintained analytics applications.
- Create tools to analyze and improve descriptions for US international Tariff Tables.

02/2015– **Software Developer CI CD, IBM, Guadalajara, Mexico**

- 08/2016 ○ Collaborated with several teams to implement CI/CD pipelines.
- Developed analytics tools and dependency analysis for large codebases.

- 07/2014– **Software Developer**, *Hitts Technologies*, Guadalajara, Mexico
02/2015  Developed and maintained enterprise applications using Java for IBM.
 Work as L3 support for Rational Jazz Foundation.

Skills

Programming Python, Java, JavaScript, C++, SYCL
AI/ML PyTorch, TorchRec, NLP
Web Dev Django, TypeScript, FastAPI, Flask
Databases PostgreSQL, MySQL, MongoDB, Redis
Tools Docker, Kubernetes, Git
Cloud AWS, Azure, GCP
Other Linux, Agile Methodologies, CI/CD
Languages English, Spanish

Education

- 2008–2013 **Computer Engineer**, *Autonomous University of Mexico*, CDMX
[View](#)
- 2018 **Machine Learning From Data To Decisions**, *MIT Professional Education*
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- 2019 **Data Science and Big Data Analytics: Making Data-Driven Decisions**, *MIT XPro*
[View Badge](#)
- 2019 **Quantum algorithms for Cybersecurity, Chemistry and Optimization**, *MIT XPro*
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- 2019 **Quantum Computing Fundamentals**, *MIT XPro*
[View Certificate](#)
- 2019 **Introduction to Quantum Computing**, *MIT XPro*
[View Badge](#)
- 2025 **Intel Gaudi AI Accelerator**, *Intel*
[View Certificate](#)
- Current **Continuous Learning**, *Platzi*
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