Jose de Jesus Herrera Ledon

Software Engineer

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Experience

08/2022– Present
AI Software Engineer, *Intel*, Remote
- 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– 08/2022
Senior Software Engineer, *UMBA*, Mexico City
- 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– 07/2021
Senior Software Engineer, *Intel*, Guadalajara, Mexico
- 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– 07/2019
Senior Software Engineer, *Contpaqi*, Guadalajara, Mexico
- 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.

01/2017– 09/2018
Team Lead Software Engineer, *HCL Technologies*, Guadalajara, Mexico
- 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– 08/2016
Software Developer CI CD, *IBM*, Guadalajara, Mexico
- 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*
View Badge

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*
View Badge

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*
View Courses