

Andrea Ortiz Alvarado

Full Stack Java Developer

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Professional profile

Junior Full Stack Java Developer and Data Analyst. With experience in the development of web applications, as well as in database management. I am passionate about problem-solving and continuous learning. I stand out for my ability to work as a team, assume leadership, and manage tasks responsibly. I am looking for opportunities in software development companies where I can apply my skills and continue developing.

Hard skills

Java | JavaScript | HTML | CSS | PythOn | C/C++ | SQL | Julia | Matlab
Visual Studio Code|Bootstrap| Eclipse | REACT | Jupyter | Git | Github | Power BI |MySQL|Figma
Raspberry | Arduino | DAQ NI | LabVIEW | LaTeX | SolidWorks | AutoCAD |ANSYS APDL | Illustrator

Academic projects

E-commerce | Generation México | April 2024 - July 2024

Collaborative project development of e-commerce specialized in swimsuits, using Agile Scrum methodology and technologies such as HTML, CSS, Bootstrap, Java, JavaScript, and MySQL. I contributed to the development of the code on both the front-end and back-end of the project. And in code review.

Diseño y manufactura de una plataforma experimental para el monitoreo de la salud articular | Universidad de Guanajuato | Master's Thesis Project | 2021-2023

Knee brace design, manufacturing, and instrumentation for the acquisition and processing of the sound signal to evaluate the joint health of the knee.

Professional Experience

Power BI Instructor Intermediate Level | IJALTI | October 2023 - November 2023

I taught a course for engineers, which covered topics such as data extraction, transformation and loading (ETL), data modeling, and visualization. In addition to direct teaching, I organized and planned classes and teaching materials, including practical exercises.

Power BI Instructor Basic Level | IJALTI | October 2021 - December 2021

I taught an introductory course on the topics of ETL, modeling, and data visualization. Develop organizational, time management, and effective teaching skills.

Courses

Java Full Stack Developer | Generation México | April 2024 - July 2024.

Prepare data for analysis | Microsoft | 2023

Model Data in Power BI | Microsoft | 2023

Use DAX in Power BI Desktop | Microsoft |2023

Data Science and Machine Learning with Python | Fachhochschule Dortmund University of Applied Sciences and Arts | Virtual | April 2021 - July 2021

Certificates

Aspectos básicos: Datos, datos, en todas partes | Microsoft | Coursera | August 2022

Formula preguntas para tomar decisiones basadas en datos | Microsoft | Coursera | June 2023

Languages

Spanish (Native)

English B2

German A1

Education

Master Degree in Mechanical Engineering | Universidad de Guanajuato | CONACYT | 2021 - 2023

Bachelor's Degree in Mechatronics Engineering | Universidad de Guanajuato | Graduated | 2016 - 2021

Soft Skills

Adaptability | Logical thinking | Teamwork | Assertive communication | Creativity | Quick learning | Persistence
| Self-taught | Problem resolution | Attention to Detail