

**MITZI ENZASTIGA**  
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### Professional Summary

I am a dynamic individual, an avid self-learner who thrives in fast-paced, high impact environments. I love technical challenges that lead to build great products.

I am a very experienced SQL developer who has over eight years leading the analysis, design, development, implementation and maintenance stages of SQL Server databases. I have worked with IT industries as a software and data engineer, where I have been repeatedly recognized for developing innovative solutions and solving a wide range of problems.

### Significant Qualifications

<b>Technologies</b>	Having 8+ years of experience in <b>SQL Server (2000, 2003,2005, 2008)</b> . Having 4+ years of experience in software development environment using <b>Visual Studio .Net</b> . Hands on experience in <b>Tableau, Power BI</b> and <b>RapidMiner</b> . Hands on experience in <b>Python</b> as a Data Analysis tool. Having 4+ years of experience in <b>MySQL</b> and <b>Microsoft Access</b> as back-end databases. Having experience creating diagrams and data modeling using <b>Visio</b> and <b>Erwin Logic</b> . Having experience in designing web pages using <b>Adobe Dreamweaver</b> and <b>Adobe Flash</b> . Having experience in <b>HTML, CSS</b> and <b>JavaScript</b> .
<b>Other</b>	<b>Green Card holder.</b>
<b>Website</b>	<b><a href="https://mitzienzaastiga.github.io">https://mitzienzaastiga.github.io</a></b>

### Education

School of Computing (ESCOM)-National Polytechnic Institute, Mexico 1997-2001

- **Bachelor Degree of Computer Systems Engineering.** Project to gain degree: Voice command Board.

### Certificates

- Big Data and Data Analytics Certificate by Emory University 2020
- Business Intelligence Certificate by Emory University 2020
- Web Design and Development, Mexico, 2012.
- Customizing Share Point Product & Technologies, Mexico, 2007.

### Professional Experience

**Mathnasium - The Math Learning Center**  
**Instructor**

**2019 – Present**

- Teaching math using Mathnasium based programs. Evaluate and document student progress. Develop rapport with students and establish a fun learning environment.

**Filadelfia University, Mexico**  
**Professor**

**2013-2015**

*University at the South of Mexico with 26 years of experience and a well recognized Education Institute by different private companies. (<https://universidadfiladelfia.edu.mx>)*

- Teaching IT related subjects such as Calculus, Statistics, Programming and Information Systems. Evaluate and document student progress.

**Freelance, Mexico**  
**Full-stack developer**

**2013-2015**

- Web and Desktop Application: *Query System to Agriculture Support Programs Operating Rules*, design UI and front end functionality using HTML, JavaScript and MySQL.
- Web and Desktop Application: *Time Tracking System*, design UI and front end functionality using VS.Net and SQL Server.
- Designing and developing Website, portal and Admin portal for Agrojooseman using Dreamweaver and MySQL.
- Designing and developing Website, portal and Admin portal for the Language Center GLOSSAK using dreamweaver and MySQL.
- Designing and developing Website, portal and Admin portal for ENIME using Dreamweaver.
- Designing and developing Website, portal and Admin portal for Bitegix using VS.Net.

**Ministry of Agriculture, Mexico**  
**Data Engineer**

**2010-2013**

*The Ministry of Agriculture is a Federal Executive branch, which promotes support policies that allow better production, better use of the advantages of Mexican agricultural sector.( <https://www.gob.mx/agricultura>)*

- Design, document, build, test and deploy data pipelines that assembled complex datasets from various sources and integrated them into a unified view to manage agricultural producers data.
- Design, and implement operational improvements: automating manual processes, data quality checks, error handling and recovery, re-designing infrastructure as needed.
- Perform data profiling and analysis to assess data quality patterns, created data cleansing rules using SQL Server, conforming FAO of the UN data standard rules.
- Delivering reports and insights with data and maps from ArcGIS 10.2

**Hernan Cortes University, Mexico**  
**Professor**

**2009-2010**

*University at the South of Mexico with 23 years of experience.( <https://www.uhc.edu.mx>)*

- Teaching different subjects IT related such as Information Systems and Communication Systems. Evaluate and document student progress.

**Thyssenkrupp Industrial Solutions (México)**  
**Full-stack developer**

**2004-2007**

*Thyssenkrupp Industrial Solutions (México) is one of the world's leading companies in the field of heavy plant engineering. With a workforce of approx. 500 employees and an engineering capacity of more than 800,000 hours/year, with more than 40 years local presence in the petrochemical, chemical, pharmaceutical, food, manufacturing, cement and mining industries.( <https://www.thyssenkrupp-industrial-solutions.com/mexico>)*

- Reducing the operation cost of employee time tracking, reporting and task management by 80% less with the “Time-Sheet” application that another team member and I developed from scratch using Visual Studio .Net 2005 and SQL Server 2005.
- Improving the stationery processes with the application “Papelerial” that I proposed and developed using VB.Net 2005.
- Training more than 200 employees on the proper use of developed applications.
- Write SQL stored procedures, functions, triggers, constraints for databases using SQL Server 2005.
- Design and develop maintenance database plans.

- Develop schedule, assigning resources to tasks and tracking progress of projects using Microsoft Project.
- Migrate databases and applications from Microsoft Access to VB.Net 2005 and SQL Server 2005.
- Provide architectural, design, coding, and database guidelines to ensure the quality of applications.
- Perform code review and provide coding best practice recommendations.
- Mentor junior developers.

#### **TV Azteca Television, Mexico**

**2001-2004**

##### **SQL developer**

*TV Azteca is one of the world's two largest Spanish-language television content producers. It operates four national television networks in Mexico through more than 300 stations. (<https://www.gruposalinas.com/en/tv-azteca>)*

- Write SQL stored procedures, functions, triggers, constraints for very large databases using SQL Server 2000.
- Query to millions of records.
- Evaluate and interpret requirements to design, develop and implement appropriate solutions.
- Design databases using Erwin Logic.
- Delivering reports using IBM Cognos Impromptu.