

# Bernardo Mondragon Brozon

Software Developer

## Details

Mexico City, Mexico

+52 1 55 3559 2033

+1 571 626 1227

bmondragonbrozon@gmail.com

NATIONALITY Mexican  
DATE OF BIRTH 16-12-1993

## Links

<https://github.com/BernardoMB>  
<https://www.linkedin.com/in/bernardo-mondragon>  
<https://independent.academia.edu/BernardoMondragon>

## Skills

- Analytical and flexible approach to problem solving
- Able to deal with complex maths and technical problems

## Programming

**Languages:** R, Python, Javascript, TypeScript, C#, DAX, SQL, Java, Visual Basic, Objective C, RMarkdown, Bookdown, MatLab, Maple, LaTeX, HTML5, CSS

**Frameworks:** Spark, Angular, NodeJS, Express, NestJS, ReactJS, Redux, Blazor Server, Blazor WebApp, .Net Framework, .Net, ASP.NET, ASP.NET MVC, Polymer, TypeORM, Angular Material, Bootstrap, Syncfusion, Ext.Net, D3 JS, Jest, Cypress

**Databases:** Cosmos DB, SQL Server, MongoDB, PostgreSQL, MySQL, MySQL, Microsoft Access

**Cloud:** Microsoft Azure, Databricks, Power BI, Amazon Web Services, Google Cloud, Azure DevOps, Heroku, Netlify, Twilio, SendGrid, Stripe, DHL, FedEx, Cypress, Slack, Redis

## Languages

English (native)

Spanish (native)

## Profile

I am a actuary with vast experience in Software Development and with a demonstrated history of working in the information services industry. Skilled in Software Development, Data Science, Business Intelligence, Insurance Theory, Risk Management, and Product Development. Strong analytical professional with a Bachelor's Degree in Actuarial Science focused in Applied Mathematics to assess risk in insurance, finance and other industries and professions.

## Education

**Bachelor's in Actuarial Science** AUG 2013 - AUG 2018

Applied mathematics and statistical methods to assess risk in insurance, finance and other industries and professions.

**Diplomat in Insurance Theory** OCT 2021 - FEB 2022

**Solvency II Diploma** NOV 2020 - FEB 2021

**Instituto Tecnológico  
Autónomo de México (ITAM)**  
**Universidad Nacional Autónoma de México  
(UNAM)**

## Experience

**Senior Developer** JAN 2021 - PRESENT

Developed an IT Asset Management strategy, aligning with financial processes and governance controls. Strengthened stakeholder trust through reporting and consulting. Built a pricing tool for discounts based on marketing data. Streamlined customer request approvals and generated thousands of quotes.

**Toyota Material Handling, Columbus IN**

**Senior Full-Stack Developer** JAN 2021 - MARCH 2024

Developed OSSE's School Health Profile portal to support the Healthy Schools Act of 2010. Improved health conditions for 251 schools, positively impacting 93,843+ students. Generated detailed reports to inform OSSE, the Mayor, DC Council, and the Healthy Youth and Schools Commission on school health compliance. Managed and monitored 200,000+ cases, enhancing student transportation for 93,843+ students. Ensured timely notifications for schools, parents, and emergency services regarding incidents. Assisted the Parent Resource Center, Dispatch teams, and investigators in case assessments.

**OSSE, Washington DC**

**Data Scientist** DEC 2022 - MARCH 2024

Processed, cleaned, and analyzed millions of records from the automotive industry. Created powerful dashboards that provided valuable insights for lenders and financial institutions. Assisted 20+ dealerships in the U.S. with decision-making for restocking and trend analysis, maximizing profits through segmentation, forecasting, and data modeling.

**One Auction View, Redlands CA**

**Full-stack Developer** NOV 2020 - DEC 2022

.Net development of sureties administration system in Zurich North América. Financial Analysis, Risk Underwriting Automation and Account Management. Support and development of underwriting app for international policies; from data capture to issuance. Technologies used: .Net, Blazor, Entity Framework, SQL Server, Git, Bitbucket, Jira, Jfrog, Redis, Dynatrace Jenkins, Linux VMs, Figma.

**Zurich Insurance Company, Mexico City**

**CoFounder** JAN 2019 - JAN 2022

Design and execute strategic processes to deliver best quality software for our clients. I monitor that industry standards are met according to best coding practices. I have satisfied over 30+ customers providing them with software that suits their needs.

[Kalyptio.com](https://kalyptio.com), Mexico City

**Lead Developer** JAN 2013 - DEC 2018

Successfully developed and implemented software solutions to manipulate and analyse data generated by the telecommunication industry for Mexico's Attorney-General's Office (PGR) and Mexico's Center of Investigation and Nation Security (CISEN). Helped saving hundreds of lives and preventing thousands of crimes. Successfully parsed over 700 million CDR (call detail registries) from different random formats.

**Neolinx de México SA. de CV., Mexico City**

**Producer** JAN 2012 - AUG 2013

Pedagogue, designer, and producer of educational interactive and animated content. Animated over 40 educational video lectures for hundreds of students coursing elementary school.

**Ecorise Youth Innovations NPO, Austin TX**

## Freelance

**Instructor** JAN 2019 - PRESENT

I teach online courses and create tutorials for students who want to get started in the software development industry. I have taught hundreds of hours of programming lectures

**Mexico City**