Bernardo Mondragón Brozon

Actuary & Full-stack Developer

Details

Mexico City, Mexico
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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/BernardoMondragón

Skills

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

Programming

Languages: TypeScript, JavaScript, SQL, R, Python, Java, C#, .Net, MongoDB, PostgreSQL, MySQL, SQL Server,MySQL, SQL Server, Visual Basic, Objective C, Angular, RMarkdown, Python, Bookdown, MatLab, Maple, LaTeX, HTML5, CSS, SCSS, MongoDB, PostgreSQL, SQL, NodeJS, Express, NestJS
Arquitect: Microsoft Azure, Amazon Web Services, Google Cloud, Heroku, Netlify, Twilio.

Languages

Spanish

English

Profile

Hard working man with +8 years of experience applying actuarial knowledge and developing all kinds of software solutions. Beign involved in several ambitious projects I have developed skills in insurance product development including software development and systems architecture. At the same time I consider myself a fully qualived actuary who has the confidence to work on my own initiative and the ability to play a key role in a leading company. I am a quick learner who can balance theory along with practical solutions. Right now I would like to join a company that is looking to hire the best talent, gain experience and face new challenges.

Education

Bachelor's in Actuarial Science   AUG 2013 - AUG 2018   **Instituto Tecnológico Autónomo de México (ITAM)**

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

Experience

Senior Full-stack Developer   NOV 2020 - PRESENT   **Zurich Insurance Company, Mexico City**

.Net development of sureties administration system in Zurich North América.
Financial Analysis, Underwriting Automation and Account Management.
Technologies used: .Net, Blazor, Entity Framework, SQL Server, Git, Bitbucket, Jira, Jfrog, Redis, Dynatrace Jenkins, Linux VMs, Figma.

CoFounder   JAN 2019 - PRESENT   Kalyptio.com

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.

Senior Full-stack Developer JAN 2014 - DEC 2018   **Neolinx de México SA. de CV., Mexico City**

Succesfully 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.
Succesfully parsed over 700 million CDR (call detail registries) from different random formats.

Full-stack Developer   JAN 2013 - DEC 2013   **Grupo Koomkin SA. de CV., Mexico City**

Analyzed digital marketing campaigns data to maximize lead conversion rates for customers. Coded algorithms and designed UI UX flows for lead generation in digital platforms. Succesfully increased the lead convertion ratio for 40+ clients.

Producer JAN 2012 - AUG 2013   **Ecorise Youth Innovations NPO, Austin TX**

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

Freelance

Instructor   JAN 2019 - PRESENT   **Mexico City**

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 programing lectures

Achievements

Insurance product on IUD failure risk   MAY 2019   **Mexico City**

Developed a model to asses and manage IUD (Intra Uterus Device) failure risk for an innovative insurance product placement.
Succesfully computed risk and market premiums, risk reserves, policy values, risk and utility margins and other actuarial measurements for the product under the Solvency II framework in order for it to be a viable and sustainable insurance product.

Advisor and judge appointment OCT 2018   **Mexico City**

I was appointed to be judge and advisor of the UNAMxHacks Hackathon organized by the National
University of Mexico (UNAM).
Helped contenders to choose and implement different technologies in order for them to solve the
event's challenges.