

Enrique Diaz

Self-taught software engineer focused on Machine Learning algorithms.

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EXPERIENCE

DEVF, Mexico City — Co-founder and ML Engineer May 2014 - SEPTEMBER 2024

Funded by IDB, Techstars and Cornershop co-founders, DEVF is a data-propelled technology education company, which helps their students get well paid job opportunities in the tech sector during the wake of the 4th industrial revolution by deploying intelligent systems to enhance their learning trajectory.

Top accolades:

- As a **Co-founder**, I'm responsible to help **design** and **coordinate** with the management team the overall **data strategy**, which encompasses the **OKRs** from the **tech** and **data teams**, research and development deliverable design and strategic thinking about which kind of data assets can provide meaningful pipelines for model evaluation and continuous deployment.
- Accountable as a **Machine Learning Associate Professor** where I **co-designed** the 10-module syllabus, by **applying reverse engineering** to the topics of the **Tensorflow Developer Certificate & Stanford AI Certificate program**. We designed **+240 hours** of **content** and managed **+20 Associate Professors** which **provide weekly updates** in order to offer a high quality corpora of resources for everlasting learning.
- As a **Machine Learning researcher**, I co-designed a **research papers** and a plethora of **data engineering projects**, which involved **Business** and **Data understanding**, **Data Cleaning** and **Pipeline Engineering**, **Model testing** and deployment of **Deep Learning** techniques in order to infer common troubleshooting about Python coding deliverables and provide knowledge verification as well.

EssentialLab, Mexico City — Co-founder and Software Engineer. FEBRUARY 2013 - FEBRUARY 2015

EssentialLab was a mobile apps software engineering services provider focused on **venture-backed technology startups** and **Fortune 100 companies** such as **Google**, **Motorola**, **Grupo Expansión**, among others.

Top achievements:

- Shipped 13 applications in a year. We **achieved more than \$75,000 USD/year** selling technology consulting services, with a

CERTIFICATIONS

[Digital Transformation using AI/ML with Google Cloud Specialization.](#)

[Introduction to Tensorflow for Artificial Intelligence, Machine Learning and Deep Learning.](#)

[Mathematics for Machine Learning: Linear Algebra.](#)

[Mathematics for Machine Learning: Multivariate Calculus.](#)

[AI for Everyone](#)

PUBLISHED CONTENT

[Monetizing Your App with AdMob \(Android Cookbook, O'reilly Publishing\)](#)

[Como implementar una imagen de fondo en Android ActionBar \(Programa con Google blog\).](#)

[Introducción a servicios de Google Play \(Programa con Google blog\).](#)

[Google Developers Hackademy: Introducción a Android SDK \(Youtube course\)](#)

small team of 3 software engineers and designers.

- I was accountable as **tech lead** for the full product development cycle: **pre-sale**, **project management**, **feature dimensionality** and **client requests**, **deployment strategies** and **real-time support** for **21 mobile apps** such as **Corredor Cultural Roma-Condesa 2013 & 2014 editions**, **Semana del Emprendedor 2013 & 2014**, **Telcel Ideas Deportes** and
- **Yo Amo los Zapatos**, one of the apps the team worked on won an award called “**Google Play Best Apps of 2013 awards**” peaking **150,000 downloads** after **90 days** of the release date, which got leverage to raise future funding rounds and eventually reach 40 million fans in Facebook few years later.

Android Software Engineer and technical training consultant, Mexico City. MAY 2008 - FEBRUARY 2013

I started providing consulting services for companies such IPN, Google and Motorola after executing monthly +70 attendee meetups about Android SDK during 5 years.

Top achievements:

- Assembled a small team and deployed **Esto es Google App 2011** **within a week** of distance from the event, using the open source version from Google IO source code. We reduced client entropy and **deployed it successfully on time** after transforming the XLS files from the agenda into **Python streams** and reading pipelines to store all data via local **SQLite databases**.
- **Conceptualized and executed +30 Android SDK workshops** in collaboration with **Motorola Mobility Mexico** during 2011, reaching more than **3000 attendees** and collaborating with the most relevant universities in Mexico such as **UNAM, IPN, ITAM** and **ITESM**.
- I was the **software engineering lead** and main responsible for creating and deployment of an **Android Tablet app** in order to help raise funds for **Gala Endeavor 2012**, where **Motorola Mobility** provided **+150 tablets** for launching a silent bid where they raised more than **\$150,000 USD** in donations in **less than 8 hours**.

EDUCATION

Instituto Politecnico Nacional, Mexico City— Bachelor of Science, Computer Engineering. AUGUST 2006 - DECEMBER 2010

Stanford University, Stanford, CA — *Professional Certificate, Artificial Intelligence* May 2021 - April 2022

COMMUNITY ENGAGEMENTS:

[Google Developer Group CDMX co-organizer, 2010-present.](#)

[Tensorflow User Group CDMX co-organizer, 2019-present.](#)

[Stanford Code in Place, Section Leader, 2023.](#)

[HTML+CSS+JS Instructor, Grow With Google \(2019\).](#)

[Verificado19s, web team, 2017.](#)

Google Developer Expert, Android, 2015-2018.