Dabbling in the marvelous world of IT!

2019-12-16

think.
create.
accelerate.

Luxoft
A DXC Technology Company

Armando Cifuentes González (ArCiGo)

Software Developer Engineer in Test

LinkedIn: *https://www.linkedin.com/in/arcigo/*
Github: *https://github.com/ArCiGo*
Twitter: *@_ArCiGo*
armandocifuentes_2@yahoo.com.mx

Agenda

- Context of the IT industry in Mexico
- What do I need to enter the world of IT?
- Where can I start?
- Other useful tools to earn more knowledge
- Where do I move to?
- Tips to develop in any of these areas
- Other useful tips
- Curriculum!
- 2020 Developer Survey
- Are you ready?

Panorama of the IT sector in Mexico and the world

think.
create.
accelerate.

Luxoft
A DXC Technology Company

For 2020 and 2021, the IT industry in Mexico is expected to reach growth rates of 2.2% and 2.5% respectively, so that in 2022 it will return at rates of 3%.

CDMX, aka *DF*, concentrates 50% of the IT vacancies in Mexico. **Guadalajara**, *Jalisco*, concentrates a large number of IT companies. **Monterrey**, *Nuevo León*, has a lot of American companies that open their offices in that city due to the proximity to the US border. **Querétaro**, *Querétaro*, is the new guy in the neighborhood: Many startups, and banks, have their offices in this city.

Surprisingly, the state of *Yucatán* increased its job offers related to the IT sector, followed by *Guanajuato* and *Puebla*.

And what about the current pandemic situation?

"*Clients don't come first. Employees come first. If you take care of your employees, they will take care of the clients.*"

- Richard Branson, *CEO of Virgin*

Luxoft
A DXC Technology Company

What do I need to enter the world of IT?

think.
create.
accelerate.

luxoft
A DXC Technology Company

Where can I start?

Luxoft
A DXC Technology Company

College

Courses

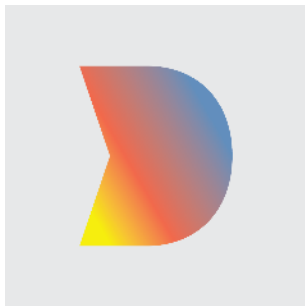**Mentors**

Other useful tools to earn more knowledge

Luxoft
A DXC Technology Company

Discipline, self learning and patience!

Where do I move to?

Technical staff

Poner aquí los 5 tipos de desarrollo

Technical staff

- Poner aquí Databases

- QA

- DevOps

- Networks

Technical staff

- Poner aquí Electronics

- Automotive

- IT Support

Management

- Poner aquí Project management

- Business Analyst

- Scrum Master

- Product Owner

Management

- Poner aquí Delivery Manager

- Marketing

- HR

Creative

- Poner aquí UI/UX, Product Designers, Ilustrators, Copy Writers, Technical Writers

Tips to develop in any of these areas

Luxoft
A DXC Technology Company

Soft Skills!

- Adaptability
- Communication!
- Creative thinking
- Dependability
- Work ethic
- Teamwork

- Positivity
- Time management
- Motivation
- Problem-solving
- Critical thinking
- Conflict resolution

" **E**ngineering is like a team sport: If you succeed, everyone wins, but if someone fails, everyone shows their face. We can all make mistakes. So, learn to accept feedback and find the most appropriate time to give it.*

- César Mancillas, Sr. Software Engineer at Tiempo Development and Programming Teacher

Luxoft
A DXC Technology Company

Spirituality?

" *In the IT industry, we are very pragmatic or we are very focused on science and technology, and we forget the spiritual part as individuals, as a team and as a community. When I came back to the spiritual part, I started to feel much better and my team started to feel better too.*

- Francisco Valdovines, *COO at Density Labs*

Other usefult tips

think.
create.
accelerate.

Luxoft
A DXC Technology Company

- Keep trying!

- Always ask before assume!

- In English, please

- What type of company do I want to reach and develop myself?

- ¿Con quién quieres trabajar?

- Aprende a vivir con tus miedos y aprende a utilizarlos a tu favor

Curriculum!

think.
create.
accelerate.

Luxoft
A DXC Technology Company

- How to do a good CV?

- Have you ever heard about **Don Chambitas** (*@DonChambitas*) and **Señoras Chambas** (*@SeniorasChambas*)?

- Work portfolio

- Collaborations in **Open Source** projects

- Publications (blogging, Youtube, etcetera)

2020 Developer Survey

By Stack Overflow

think.
create.
accelerate.

The most popular stacks in the Tech Industry

Based on the answers published on the 2020 Developer Survey, by *Stack Overflow*

The most popular technologies (in the World)

The roles most required (in Mexico)

1. **JS**

2. **HTML/CSS**

3. **SQL**

4. **Python**

5. **Java**

6. **Bash/Shell/PowerShell**

7. **C#**

8. **PHP**

9. **TypeScript**

10. **C++**

11. **C**

1. **Developer**

2. **Architect**

3. **Team Leader**

4. **Data Analyst**

5. **Technical Support**

6. **System Analyst**

7. **QA Engineer**

8. **CTO/Director**

9. **Designers**

Money! (and experience)

Based on the answers published on the **2020 Developer Survey**, by *Stack Overflow*

Languages (in the World)

- **Perl**: *$76k USD*

- **Scala**: *$76k USD*

- **Go**: *$74k USD*

- **Rust**: *$74k USD*

- **Ruby**: *$71k USD*

- **Bash/Shell/PowerShell**: *$65k USD*

- **Objective-C**: *$64k USD*

- **Haskell**: *$60k USD*

- **Python**: *$59k USD*

- **Swift**: *$58k USD*

- **C#**: *$57k USD*

- **R**: *$57k USD*

- **TypeScript**: *$57k USD*

- **Kotlin**: *$54k USD*

- **SQL**: *$54k USD*

- **Assembly**: *$53k USD*

- **C++:** *$53k USD*

- **JavaScript**: *$53k USD*

- **C**: *$50k USD*

- **Java**: *$50k USD*

- **PHP**: *$39k USD*

Roles (globally speaking, annual salary)

- **Engineering manager**: *$92k USD*

- **Engineer, site reliability**: *$80k USD*

- **DevOps specialist**: *$68k USD*

- **Engineer, data**: *$65k USD*

- **Data scientist or machine learning specialist**: *$58k USD*

- **Developer, embedded applications or devices**: *$57k USD*

- **Scientist**: *$57k USD*

- **Developer, desktop or enterprise applications**: *$56k USD*

- **Data or business analyst**: *$55k USD*

- **Developer, full-stack**: *$54k USD*

- **System administrator**: *$54k USD*

- **Developer, back-end**: *$53k USD*

- **Developer, QA or test**: *$53k USD*

- **Database administrator**: *$50k USD*

- **Developer, game or graphics**: *$50k USD*

- **Developer, front-end**: *$49k USD*

- **Educator**: *$49k USD*

- **Designer**: *$47k USD*

- **Developer, mobile**: *$43k USD*

- **Academic researcher**: *$41k USD*

Where can I work (or apply)?

Nearsoft (HMO-CUU-CDMX-SLP, *remote*), **Tiempo Development** (HMO-MTY-GDL, *remote*), **Wizeline** (GDL-QRO-CDMX, *remote*), **EPAM** (GDL-CDMX), **Oracle** (GDL), **Luxoft** (GDL-CDMX, remote), **Amdocs** (GDL), **Agave Lab** (GDL), **Density Labs** (GDL), **iTexico-Improving** (GDL-AGS, remote), **Unosquare** (GDL-León, *remote*), **Michelada.io** (COL), **Tango México** (COL), **Bosch** (GDL), **Terminal** (GDL, *remote*), **Pentalog** (GDL), **Mobica** (GDL), **OpenMarket** (GDL), **Kenzan** (GDL), **Brightcove** (GDL), **Accenture** (MTY), **Enroute Systems** (MTY), **Base22** (MTY), **Inflection Point Systems** (MTY), **Tacit Knowledge** (GDL), **Digital OnUs** (GDL-MTY), **Arkus Nexus** (TIJ), **Headspring** (MTY, *remote*), **Magma Labs** (COL), **Intersys-APEX** (GDL), **Rulesware** (GDL), **Kueski** (GDL), **Herbalife** (GDL), **Astra Zeneca** (GDL), **Icalia Labs** (MTY), **Blue Optima** (GDL), **Persistent Systems** (GDL), **Definity First** (MTY), **Scalable Press** (GDL), **Globant** (GDL), **Blue Trail Software** (GDL), **Intel** (GDL), **IBM** (GDL), **Continental** (GDL), **Twitter** (USA), **Facebook** (USA, *remote until July 2021*), **Microsoft** (USA, *remote until January 2021*), **Apple** (USA), **Google** (USA, *remote*), ...

The crude reality...

¡Anímense a dar el primer paso!

Q&A

think.
create.
accelerate.

Bibliography

- **Tendencias del mercado laboral de TI en México – ¿Cómo estamos y a dónde vamos?** *Carlos A. Vázquez*. CodersLink, 2020: https://coderslink.com/talento/blog/tendencias-del-mercado-laboral-de-ti-en-mexico/

- **Para 2020 se espera recuperación de la industria de TI en México**. *Mireya Cortés*. CIO México, 2019: https://cio.com.mx/para-2020-se-espera-recuperacion-de-la-industria-de-ti-en-mexico/

- **¿Cuál es el panorama de la Transformación Digital en México?** Canal SYNNEX Comstor, 2020: https://blogmexico.comstor.com/cual-es-el-panorama-de-la-transformacion-digital-en-mexico

- **Best Coding Bootcamps of 2020-2021**. SwitchUp, 2020: https://www.switchup.org/rankings/best-coding-bootcamps

- **The Best Mexico City Coding Bootcamps**. Course Report, 2020: https://www.coursereport.com/cities/mexico-city

- **Best Coding Bootcamps of 2019-2020**. Course Report, 2019: https://www.coursereport.com/best-coding-bootcamps

- **The 10 best coding bootcamps**. *Sharon Florentine*. CIO United States, 2018: https://www.cio.com/article/3222718/the-10-best-coding-bootcamps.html

- **What Are Soft Skills?** *Alison Doyle*. The Balance Careers, 2020: https://www.thebalancecareers.com/what-are-soft-skills-2060852

- **¿Cómo hacer un curriculum? (UPDATED)**. *Armando Cifuentes González*, 2017: http://arcigo.blogspot.com/2017/06/como-hacer-un-curriculum.html

- **Las mujeres en el mundo de la IT, desde la perspectiva de una reclutadora**. *Armando Cifuentes González*, 2018: http://arcigo.blogspot.com/2018/05/las-mujeres-en-el-mundo-de-la-it-desde.html

- **¿Qué les hace falta a las mujeres para adentrarse en el mundo del Desarrollo de Software?** *Armando Cifuentes González*, 2020: http://arcigo.blogspot.com/2020/03/que-les-hace-falta-las-mujeres-para.html

- **2020 Developer Survey**. Stack Overflow, 2020: https://insights.stackoverflow.com/survey/2020

Thank You!

think.
create.
accelerate.

Luxoft
A DXC Technology Company