






# Fernando Becerra Méndez








◀ DevOps Engineer ▶

## CONTACT






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## LANGUAGES

Native   
Fluent   
Advanced   
Upper Intermediate   
Lower Intermediate   
Basic   
Basic 






## PROGRAMMING

Go   
Perl   
Java   
Python   
Ksh / Zsh / Bash 

## TOOLS

AWS   
Docker   
Ansible   
Terraform   
Git / GitHub   
Vim / NeoVim   
Packer / Vagrant   
Bamboo / Jenkins   
Terratest / Molecule 




## DATABASES

MySQL   
Sybase   
PostgreSQL   
Oracle 11g   
SQL Server 

## SYSTEMS

OSX   
HP-UX   
Ubuntu   
Red Hat   
Windows 

## EDUCATION

 2014	B.S. Degree in Computer Engineering Centro Universitario Tecnológico de Guadalajara	87 points
 2011	Japanese Language Proficiency Test N2 (JLPT) Instituto de Intercambio Cultural México Japonés A.C.	96 points
 2008	Test of English as a Foreign Language (TOEFL) Instituto Cultural Mexico Norteamericano A.C.	610 points

## COURSES / CERTIFICATIONS

 2019	 Developing on AWS Amazon	Course 
 2019	 Architecting on AWS Amazon	Course 
 2019	 System Operations on AWS Amazon	Course 
 2019	 Microsoft Azure Fundamentals Microsoft Partner	Course 
 2013	 Android Developer Develop Mexico	Certification 
 2013	 Java SE 6 Programmer Develop Mexico	Certification 
 2013	 Java EE 6 Web Component Developer Develop Mexico	Certification 
 2013	 Oracle Database 11g Administrator Develop Mexico	Certification 

## INTERESTS

### Personal:

- ★ Reading comics, mainly japanese, korean and american
- ★ Language learning particularly asian ones
- ★ Playing basketball with my friends
- ★ Playing video games, mostly fighting games (SF, GG, KOF, MvC, etc)
- ★ Walking long distances with my dog, usually 3-5 hours on the weekends

### Professional:

- ★ Trying new *CLI* tools and plugins that I find on Reddit
- ★ Ricing my *Linux* and *OSX* systems to boost my productivity
- ★ Learning new technologies (*Pulumi*, *Terratest*, etc.)
- ★ Automating tasks on my systems as a challenge and also for freeing time on my schedule

## EXPERIENCE

📅 Now  
📅 2021

🏢 AstraZeneca

Zapopan, Mexico 🌐

*DevOps Engineer / Release Engineer / Automation Engineer*

Worked on migrating infrastructure from on-prem to cloud by using *IaC* and *CaC*, everything developed using a *TDD* approach. Also support deployments and pipeline for developers and when needed develop automations using *GitHub Actions* and *AWS Lambda*. My activities consisted of:

- ✔ Provide infrastructure to developer teams by *IaC* for example when a new project started we had an automation to trigger the repository, *GitHub Workflow*, *SonarQube* project, *Vault* secrets. *AWS Route53 entries* and required containers.
- ✔ Provide pipelines to developer teams, mainly *GitHub Workflows* and sometimes *Jenkins* for legacy applications.
- ✔ Develop new and re-usable *GitHub Actions* for complex pipelines so all the complexity is abstracted from the user and can re-use pipelines easily.
- ✔ Preach and enforce best practices on our team, for example the usage of *TDD*, pre-commit linters, code analysis and security analysis scanner in our codebase before committing anything.
- ✔ Help developers deploy their applications into *Docker* containers and deploy them into a *Kubernetes* cluster through an orchestrated pipeline provided by the *Kubernetes* team.

📅 2021  
📅 2018

🏢 AstraZeneca  
DevOps Engineer / Release Engineer

Zapopan, Mexico 🌐

Worked on providing infrastructure as *IaC*, developing and configuring *CI/CD* pipelines as *CaC* and provide support and assistance for both. Also worked on modernizing, automating and improving the release process. My activities consisted of:

- Lead and train the team on new technologies to improve our release process. For example adopting *IaC*, *IaC* and do automated testing on them using a combination of *Molecule*, *Testinfra* and *Terratest* frameworks for all of our infrastructure.
- Plan, develop and deploy new operations infrastructure on *AWS* by combining *Terraform*, *Packer* and *Ansible*. Some examples of this include creating new instances for *Bamboo CI/CD Server*, *Bamboo Agents*, *Hashicorp Vault Server*, *Sonarqube Server*, etc. As well as deploying infrastructure for our internal applications.
- Create, build and deploy plans for many applications inside the organization using *CaC* (*Bamboo Specs*). There was some variety of technologies on the deployed applications such as *Salesforce*, *Heroku*, *Lambda*, *ECS*, *iOS*, etc.
- Provide user and developer support to our platforms that consisted of *AWS*, *Jira Cloud*, *Confluence Cloud*, *Bitbucket Cloud*, *Salesforce Orgs*, etc.
- Write custom scripts (*Go*, *Bash* or *Python*) for either some pipeline, a wrapper for some *REST API* or automation for user / developer support tasks.
- Plan and execute new releases and movement of code between environments. This included manage and merging pull requests, run pipelines, troubleshoot problems on the deployments and check the success of the release.

📅 2018  
📅 2018

🏢 HCL Technologies  
DevOps Engineer / Software Developer

Guadalajara, Mexico 🌐

Worked on big data applications doing general maintenance, automation and reporting. My activities consisted of:

- Develop scripts to move and verify data, also for project maintenance. Most of the scripting was done in *Python*.
- Give support to developers for setting up their environments or setting pipelines for their projects.
- Automate project cleaning and deletion, thus lighten the load of the servers and optimizing the servers performance.
- Work with some *REST APIs* (*NiFi*, *Jenkins*, *Hadoop*, etc.) for monitoring, cleaning, reporting and managing user's projects.
- Create and deploy testing environments with *Docker* and *Packer*.

📅 2018  
📅 2017

🏢 Dextra Technologies  
DevOps Engineer / Software Developer

Guadalajara, Mexico 🌐

Worked on an application to automate, monitor and manage access to *Unix / Linux* and *Windows* servers. My activities consisted of:

- Application maintenance, support and configuration.
- Develop and maintain code for an application used to automate and provision access to DXC's bare-metal servers.
- Develop and maintain various scripts to troubleshoot and monitor DXC's servers.
- Develop *API* to grant access to internal applications and servers.
- Support, troubleshoot and resolve issues from users and developers.

📅 2017  
📅 2016

🏢 Amdocs  
DevOps Engineer / Software Developer

Zapopan, Mexico 🌐

Worked on a centralized catalog application used for feeding a CRM and OMS applications with information for it's catalog of services and billing. My activities consisted of:

- Application maintenance, support, configuration and update. Like adding new products, offers or business rules the catalog through *Oracle SQL* or using an internal specialized tool called MEC.
- Support software updates deployment via *Linux* scripts and proprietary tools developed by Amdocs.
- Gather requirements with the different development teams to implement catalog changes.
- Develop automation tools for an easier deployment of updates on testing environments. Most of it consisted on a combination of *Ksh*, *Bash* and *Perl* scripts to bounce *Tomcat* and *Solr* servers.
- Support, troubleshoot and resolve issues from other development teams that connected to our centralized catalog.

📅 2016  
📅 2015

🏢 Softtek  
Infrastructure Engineer / Software Developer

Guadalajara, Mexico 🌐

Worked on application to automate, monitor and manage access to *Unix / Linux* and *Windows* servers. My activities consisted of:

- Application maintenance, support and configuration. Like adding features, changing website layout to be more friendly with the user, and bug fixes.
- Develop and maintain code for an application used to automate access to *Unix / Linux* and *Windows* servers. The front-end of this application was made using mostly *Perl CGI* scripts and *PHP* for templating, while the back-end was handled mostly by *PowerBroker* installed on our servers.
- Develop updates and stored procedures for *PostgreSQL* database that kept records for our users and servers.
- Support, troubleshoot and resolve issues from users and developers trying to gain access to either *HPI* or *HP Enterprise* servers.

📅 2015  
📅 2013

🏢 Tata Consultancy Services  
*Release Engineer / Integration Engineer*

Guadalajara, Mexico 🌐

Worked on banking application for trading stock, commodities, bonds, swaps, etc. My activities consisted of:

- Application maintenance, support, configuration (with *XML*), tracing order's flow and debugging logs.
- Write automation scripts for common procedures, like deploying latest code release into production, check database dependencies, order recovery, etc. These scripts were mainly written in *Python*, sometimes in *Perl* or *Ksh*.
- Coordinating application changes, deployment and releases with front-end and back-end developing teams from different stocks exchanges internal IT teams.
- Troubleshooting order's flow, integrating code and doing QA testing.