👤 CAREER PROFILE

My name is Juan Victor Rivera Carrillo, I'm 26 years and I studied information and communication technologies engineering at Tecnológico de Culiacan, I love technologies and use them to create new things to help people or only to learn how they work.

Web Developer freelance with many years of experience on web development, but too I was working on others areas using nodejs, raspberry pi, arduino and some sensors, and others entrepreneurial projects. At past cofounder of Dreamsoft Studio.

Outside of formal education, I like to learn something new every day about web technologies, databases and programming through MOOCs (Massive Open Online Courses), and also teach and share knowledge.

💼 EXPERIENCES

Android Developer (Desarrollo Apps)	2017 (6 months)
Software Architect (Desarrollo Apps)	2018 (10 months)
Data Engineer (Inteligencia Artificial)	2018 - Present

Coppel

- Shopping history NRT (Near-Real-Time)
At this system i worked using different techonologies like MongoDB, Elasticsearch, Golang, Python, Kafka, Logstash, PostgreSQL all of them were used to get all history about sales, loans and deposits from the coppel´s stores in México.
All information is obtained and looked in a dashboard showing the sales, loans, deposits in NRT, so now we can see all about some store with more accuracy in the day.
With this system now we can start new business like WhatsappBot this one is using this system, and others one in the future.

- Android Architect
I was technical leader about the developer APP Coppel, defining the architect and technologies in the app.

- Microservices (NodeJs, Docker, Kubernetes)
I am the technical leader about the technologies to use in microservices, using NodeJs, currently i developed a framework for Coppel for all developers, and currently we are working with the MIT University to define this and more.

- Cloud Engineer (Google Cloud)
I am working with the team taking decisions about the migrations of some services and microservices to the cloud, this is something new for Coppel, currently all systems are hosted by themself.
This is a big change to Coppel and for the employers who is going to use these new changes.

- Software Architect
I was involved in the design of the architectures as well as the technologies to use for the projects, here in turn I had to do the proofs of concept as well as why we should migrate to Kubernetes vs Swarm (This is the one we had at the beginning). In addition to the above, the Cloud process was also started, where different providers were being defined, in the end I opted for Google Cloud, where I was managing and organizing the different projects as well as planning the first projects that were migrated, this at the level Of all Coppel, we currently use more GCP with Kubernetes.
I was also involved in the first tools for DevOps and CI-CD, through in-house development, jenkins and the use of Gitlab-Ci, in order to automate all the construction and deployment part.

- Data Engineer
Design and implement architectures for the flow of information generated by the application so that it is used by the team and make or give recommendations for decisions about what happens in X project, for this use of technologies such as Python, Node, Go, Kafka, Nats, Timescale, Influx, Elasticsearch, among others according to the requirements seen in the project.
In addition to the above, I also keep a close eye on the systems architectures and technologies to use.

Consultant	2018 - Present

Lend A Friend

- Consultant
I am working with the developer team, I am taking the decisions about the technologies and infrastructure that about we should use, thinking about what the owner of this company need for the future.
I am like a technical leader, and too making decisions about other company who was working with them like outsourcing.

Android Developer	2016 - 2017

Pegasus Control

Victor Rivera

Full Stack Developer

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@s00rk

EDUCATION

Couse Hacker
Computer courses by CH (Course Hacker).
2005

English Courses
English courses taught by the Autonomous University of Sinaloa.
2008

Programming courses and use of C# with Glade
SailTechnologies
2009

IT Technician
Centro de Estudios Tecnológicos Industrial y de Servicios No. 107
2010

Front-End, Back-End & Mobile Developer
Mejorando.la
2010

Course of Entrepreneurship.
Factor E
2013

Participant in "Startup Weekend Culiacán".
Tecnológico de Monterrey Culiacán
2013

Taller YO EMPRENDO 2013
2013

NodeJs and Algorithms Courses
Hunabsys
2015

Information and Communication Technologies Engineering
Instituto Tecnológico de Culiacán
2016

- Ordil

Application to change the common guestbook on companies to a mobile application, where the visitor set his information and then choose the employee who is going to visit at the company, the employee on the app get a notification about the registered visit and he can accept, put on hold or reject the visit, at the same time the visitor gets a notification about the status change of your visit.
In this project I was the lead developer for android, analyzing the neccesary changes for the correct operation and communication with the web system.

At the same time I developed 3 more projects: SGC Movil, Support Chat and Ordil Web

- SGC Movil Web (Web and mobile)

This is a system to communicate and manage all the devices using the app SGC, because sometimes the support team needed to go with the customers to check the devices for some error or something else, that's why I developed this system, where the support team can monitor all devices and manage them from the web.
Android.- In android we used Socket.IO and developed a generic class which could use on any application by only getting the package name and some additional information.
Web.- We have many applications so we decided split the applications by the package of the app, and now we could have a better vision in web by rooms where we can find all the devices running that generic class and monitor all of them.
Each person of the support team had their respective username and password.
The technologies used were NodeJs, React and Socket.IO, Crypto and the communication was done using SSL.

- Support Chat

This is for any application like SGC Movil Web, I used sockets, this was for another application in the company where we need to give real time support to the final users.
Android.- In android we used Socket.IO and developed a generic class which we could use on any application by only getting the package name and some additional information about the logged user.
Web.- Like in SGC Movil Web I decided that it could operate with any application, so in the chat we show the information about of the user requesting support and the application name, when the people of support log in to the platform, they can see all the final users that are requesting for support, if someone choose to attend a user, then that user is not being showed anymore to the other members of the support team.
The techonologies used were NodeJs, React, Socket.IO, Crypto, AWS S3, Redis and the communication was done using SSL.

- Ordil Web

This was a proposal using others techonlogies (Python[Django], PostgreSQL, Redis, REST).
I decided develop this because I felt we could create this system using other technologies (the current system is using PHP[Sugar], SOAP, and MYSQL), because in certain form the current system is somehow slow, I know that the language is not important but I believe that python has more opportunities to do more things, and one of them is that actually the system does not manage tasks in the background, and in my proposed system I implemented this functionality on notifications, send emails, delete expired information, and with this actions the system became more fluid and also the performance got severally improved.
At the end this was rejected because no one at web department was experienced with the technologies used in this project, but I was told that in the future they are going to adapt to this kind of tools. Maybe I am in a mobile development department, but if I have an idea and I can make a demostration and prove my point, I am going to do it but always for an improvement.

Developer   2016
InnovaTecnologia

- System CESASIN (COMITÉ ESTATAL DE SANIDAD ACUÍCOLA DE SINALOA, A.C.)
In this system we did 2 systems for work separately from the front-end and back-end, actually this system include the app for iOS(iPad) too, but I only worked in the front-end and back-end.
Front-end. - In this system we use angularjs, css, jQuery, html. This was very useful because with angularjs allow us to use the pattern MVC, well except a little with the model, but allow us to have all structured.
Back-end. - In this section we use Python (Django with Tastypie and using Tokens), PostgreSQL, doing this we allow us to work only with json and the models, and the front-end only do requests for some data and no for all, this is some little faster, and like plus I added use redis for have in cache all requests and the response data, for future same requests, answer faster.

Developer and DBA   2015 - 2016
Silversoft

Research project supported by the Program Incentives for Innovation (PEI) of CONACYT:
"Detección oportuna de enfermedades en el ganado bovino y toma de decisiones en tiempo real para el Incremento de la productividad y competitividad del Sector Agropecuario en México".

- Real-time system for show data from animals
In this system I used nodejs, redis, PostgreSQL and python(django). While in other device send it the data to this system, then save it to PostgreSQL and finally we send it to the clients and they could see all changes in real-time, and used redis for use different nodes in the system and take advantage of all resources of the server. This include the management for users, clients, animals, food, corrals, infirmary and others things.

Front-end developer / Back-end developer

2015

Hunabsys Investigacion y Desarrollo

- Ruby On Rails Application ~ YoguLove (Company)
I participated in the completion of the inventory management module for the company's YoguLove using ROR, HTML, Javascript and CSS, to develop the missing module system.

- Android Application ~ YoguLove
I participated in developing an application for Android that is focused on inventory management YoguLove company, which was connected to a REST web server created in Ruby on Rails.

- Refactor under Ruby On Rails Sertes (Company)
Short refactor in implementing quotations and modules when the application was in production.

- Android Application ~ UBand (System for monitoring movements received by a bracelet, which send the movements and more user information)

Participation in application development on the "UBand" which was simultaneously choosing devices and requirements for deciding android minimum version for users to use.

Developer

2014

SISEI 8

SIMPOSIO INTERNACIONAL DE SISTEMAS E INFORMÁTICA
"SISEI is an organization linked to the student community, where we have the cooperation of professionals in the area of Computer Systems, Information Technology and related careers. We are dedicated to show the world of professional opportunities and technological innovations revealing different topical issues with full interest to train professionals with the skills to face these times of progress."

- SISEI App (Android)
Creation of app mobile for show to the users all information about SISEI 8, workshops, conferences, activities and all around of the commited.
Also the users can interact we the speakers and make questions about their themes.
Technologies: (Android, Google Cloud Messaging, SQLite)

Developer and Analyst

2013 - 2015

Dreamsoft Studio

Microenterprise dedicated to the development of computer systems (Web Applications, Mobile Applications and Design).

I was more focused on the backend, and the needs of users also I contributed in the frontend so on UX, and too in the design of information and managing it.

Developer and Analyst

2012

TechneMobile Consulting

Create and innovate, predict future risks and avoid falling into them.

Freelance

2007 - 2014

Safety, Maintenance, Administration VPS.
Safety, Maintenance, Management Database MSSQL and MySQL.
Create desktop applications (C#, VB.NET, Java), create web pages (Python (Django), PHP, ASP.NET), programming support.
Developer and innovator in desktop, web and mobile community in ArticGamers (http://articgamers.net/)

⟡ SKILLS & PROFICIENCY

- ● **Python & Django**
- ● **Javascript & jQuery**
- ● **React**
- ● **VueJS**
- ● **HTML5 & CSS3**
- ● **Stylus**
- ● **Ruby on Rails**
- ● **NodeJs**
- ● **PHP**
- ● **Visual Basic**
- ● **Java & Android**
- ● **Golang**

- C#
- MySQL
- MariaDB
- Microsoft SQLServer
- PostgresSQL
- MongoDB
- Redis
- Apache Kafka
- MapD
- SQLite
- Git
- GNU/Linux
- Windows
- OS X
- Nginx
- Apache
- Arduino
- Raspberry Pi