

# Miguel Alejandro Villa Guerrero

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## EDUCATION

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Instituto Tecnológico y de Estudios Superiores de Occidente (ITESO)

Bachelor in Computer Systems Engineering

GPA: 9.45/10

## PROFESSIONAL EXPERIENCE

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IBM Cloud – Pop up Garage (March 2017 - Present):

I am currently working in Guadalajara's IBM Cloud - Pop Up Garage as a full-stack developer and IOT specialist, among my numerous activities, I am involved mostly in the development of MVPs for external and internal customers with Node.js, React.js, Angular2-8 and cloud technologies such as Cloud Foundry, Docker containers and Kubernetes. I'm starting my career as Software Architect.

HPE Labs (February 2016/November 2016):

I worked as an embedded software developer of IOT technologies at HPE Labs, I was involved in the development of a sensor driver and wireless communication that aimed to recognize when a car falls into a bump, I designed and developed this data processing app with Python, C, Redis, MQTT and a RPI 3.

BIOSKINCO Company (Freelancer) (September 2014/May 2015):

Designed and developed an Inventory control System.

## SKILLS



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Angular 2-8	Python	SQL	Spring Boot
ReactJs	DevOps	Cloudant (NoSql)	Swift Junior
Redux	Git	TDD	
NodeJs	IoT	Scrum	
Kubernetes	IBM Cloud	Orator	

## ADDITIONALS PROJECTS



### Cognitive Stand

-Development of solution that uses IoT, Twitter, Cloud and Watson. This tool gets real time data from Twitter and using Watson NLU analyzes the text, to turn different LEDs lights according to the tone of the tweet and store the data into a graph data base for post analysis.

### Cognitive Trash

-Development of solution that uses IoT, Raspberry pi, IBM Cloud and Watson. This tool helps people to recognize what kind of trash they are dropping at the trash can and with cognitive services the trash turn on a led strip to show in which one they need to drop it.

### Gotcha sentry gun

-Developed a gotcha sentry gun using Freedom board K64 and embedded C, the gotcha gun aims at when detect movement and shoots automatically, it can be controlled with a cellphone too.

### Itex

-Developed a mini social media to know the schedules of the classmates with a remote SQL database.

### BlindTyping

-Developed a system that helps blind people to learn typing in the computer.

## REFERENCES



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Iván Jauregui	Manager at HPE	33 1232 0808
Josef Grenz	Team Lead at IBM	33 3814 9541

## OTHER INFORMATION

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- I got my high school diploma at Père-Marquette in Montreal, Qc. Canada.
- Spanish(Native)
- English (B1)
- French (B1)
- I'm constantly improving myself, through the learning of different skills that I should acquire to develop the different MVPs and Projects I work on.
- One of my most remarkable contribution as an ambassador was the workshops given in the Jalisco's Talent Land 2018-19, that is one of the biggest innovation and technology event in Mexico.
- I am proud to say that in HPE I won an internal competition where all the Guadalajara's site interns participated, in this competition we presented all the work that we had made in that year.
- HackerRank profile: <https://www.hackerrank.com/alexvigro92>
- CodeSignal profile: <https://app.codesignal.com/profile/alexvigro92>