

Jacob Garcia

SOFTWARE ENGINEER · FULL STACK DEVELOPER

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"It's widely recognized that if you're not failing now and then, you're not being innovative enough or taking enough risks."
– Brian W. Fitzpatrick, *Debugging Teams: Better Productivity through Collaboration*.

Experience

Ksquare Solutions

Dallas - DFW, React/RN & Go/Node

SOFTWARE ENGINEER <FULL STACK DEVELOPER>

Jan. 2020 - Present

- Developed internal projects for third party integrations using **React**, **React Native** and **Golang**.
- Contributed to the in-house testing framework applied on different projects and clients using **React** and **Node**.
- Worked with **Docker** container infrastructure to encapsulate code into a file system with abstraction and automation.

Nure

Toluca & CDMX, React & Node

SECURITY AND INFRASTRUCTURE SPECIALIST <CO-FOUNDER>

Mar. 2017 - Present

- Implemented security code review practices, methods, and guidelines based on **OWASP Top Ten**.
- Assesed all customer web applications with tools like **SQLmap**, **Nikto**, and **Nmap**.
- Integrated Amazon Cloud Watch with Amazon **EC2** instances for monitoring the log files and track metrics.
- Experienced with event-driven and scheduled AWS **Lambda** functions to trigger various AWS resources.

Credijusto

CDMX - Remote, React & Python/Go

SOFTWARE ENGINEER <FULL STACK DEVELOPER>

Nov. 2018 - Jan. 2020

- Daily-basis deploying and maintaining multi-container applications through **Docker** and **ECS**.
- Authored a risk management app using **React** and **Flask**. Served as a decision-taking tool for executive management.
- Contributed to a customer management app using **React** and **Go**. Improved user experience and interaction with the loan process.
- Developed a loan management app using **React** and **Django**. Improved organization and efficiency across all company.
- Upgraded a quote web application using **React** and **Python**. Improved customer experience and user satisfaction.
- Designed and modeled database tables and relations with **PostgreSQL**.

Connus International

CDMX, React & Node

LEAD FULL STACK DEVELOPER <ENGINEERING MANAGER>

Oct. 2017 - Nov. 2018

- Transitioned software development efforts to a test-driven development (**TDD**) process.
- Developed a real-time web application for monitoring infrastructure at telecommunication sites using **MERN** stack.
- Implemented a solution for IoT communication using **Socket.io**. Developed a client-side test suite using **Python**.
- Designed and modeled all database collections and schemas with **MongoDB** and **Mongoose**.
- Trained continuously Junior IT members on **React** and **Redux**. Reviewed code and pull requests on **GitHub**.

Musement - Wetopia

Guadalajara, Angular & Node

FULL STACK DEVELOPER <CO-FOUNDER>

Feb. 2016 - May. 2017

- Developed application to share experience, posts and connect with others in order to learn from them using **Node** and **Angular**.
- Optimized assets using **Webpack** and preprocessing with **SASS**.

Education

ITESM (Monterrey Institute of Technology and Higher Education)

Toluca, Mexico

B.S. IN COMPUTER SYSTEMS ENGINEERING

Jan. 2013 - May. 2017

- Graduated summa cum laude with **4.0+**.
- Got an academic **Excellence Scholarship** which is given to promising high school students.

Projects

2019	MERN & Elasticsearch , Reverse image search engine, Client-API, and management dashboard	Visual Search
2019	React Native & GraphQL , Mobile application for booking and exploring local experiences	Rockett
2018	MERN , A minimalistic nice web agenda for gym classes	JIRAF
2017	MERN & Python , Web application to automate your activity on Instagram	OWA Influencers
2016	Node & Angular , Static site showing services and information for a private airline	Real Alfa Fly