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

SOFTWARE ENGINEER <FULL STACK DEVELOPER>   *Jan. 2020 - Present*

- Developed internal applications and tools for third party integrations using **Golang**, **React** and **React Native**.
- Coded multiple microservicesfor automation manual management tasks using **Golang** and **Selenium**.
- Contributed to the in-house testing framework applied on different projects and clients using **React** and **Golang**.
- Built a custom Google Hire clone for internal and external candidate recruitment and profiling using **Golang** and **React**
- Used **Docker** container infrastructure and leaded implementation of **CI/CD** using **Jenkins** on multiple internal projects.
- Deployed applications through **Docker** containers using **AWS ECS**.

Nure
Toluca & CDMX, React & Go/Node

BACKEND DEVELOPER <CO-FOUNDER>   *Mar. 2017 - Present*

- Integrated Amazon **CloudWatch** 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.
- Automated, configured, deployed and maintaned multiple projects on **AWS**.
- Improved existing applications performance writing and implemented microservices in **Golang**.
- Designed components, higher order components, reusable hooks and utilities for both **React** and **React Native**.
- Developed and owned all the backend for multiple (5>) projects using **Golang** and **Node**.
- Designed and multi-threaded microservices for internal tasks using **Golang**.
- Managed client relationships, financial income, taxes, and information. Managed projects using **SCRUM**.

Credijusto
CDMX - Remote, React & Node/Go

SOFTWARE ENGINEER <FULL STACK DEVELOPER>   *Nov. 2018 - Jan. 2020*

- Deployed and maintained multi-container applications through **Docker** and **ECS** on a daily-basis.
- Worked with **CI/CD** using **Jenkins** to automate the build process from version control tool into testing and production environment.
- Written a **Golang** event oriented accounting system for data processing, consuming, querying and auditing.
- Contributed to the **Golang** money laundering prevention tool, analazying payments of customers and alert threats.
- Contributed to the in-house **React** components library. Enhanced user experience and increased consistency across 4 applications.
- Built and API consumed by in-house sytems using **Django**. Provided useful insights for important business decisions.
- 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 **Golang**. Improved user experience and response.
- Upgraded a loan payment calculator application using **React** and **Python**. Improved customer experience and user satisfaction.
- Developed a loan management application using **React** and **Django**. Provided useful insights for important business decisions.
- Assisted in designing and managing of **PostgreSQL** database tables and views.

Connus International
CDMX, React & Node

LEAD FULL STACK DEVELOPER <ENGINEERING MANAGER>   *Oct. 2017 - Nov. 2018*

- Responsible for ensuring systems and network security, debugging performance and monitoring usage using AWS **CloudWatch**.
- Leaded secure APIs development using **OAuth** and **JWT** for on-site hardware command and control system using **Node** and **Express**.
- Developed a real-time web application for monitoring infrastructure at telecommunication sites using **MERN** stack.
- Implemented a solution for IoT communication using **Socket.io** and **RabbitMQ**. Developed a client-side test suite using **Python**.
- Developed a microservice for traffic statistical analysis and reporting using **Flask** and **Pandas**.
- 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 a social application to share experiences and connect with others to get guidance; built using **Node** and **Angular**.
- Designed an efficient Mongo database for handling all resources. Deployed and maintained application using AWS **EC2**.
- Created **Python** scripts to control and automate **AWS** instance operations.
- 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.

Certifications

2016   **Java SE6 Professional Programmer**, Certified Professional   *Oracle*

2015   **Certified Network Associate Routing and Switching** , CCNA Routing and Switching Essentials   *CISCO*

Projects

2019   **MERN & TensorFlow**, 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   **NodeJS & Pug**, Static site showing services and information for a private airline   *Real Alfa Fly*