

# Giovanny González Baltazar



## About

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## Frontend web development

### Expert

HTML/CSS Javascript  
Typescript React Redux  
Sagas React Query RxJS  
CSS in JS SASS Jest  
Testing Library Cypress  
JQuery

## Backend web development

### Advanced

Python FastAPI NodeJS  
Prisma  
PHP (Laravel & CodeIgniter)  
T-SQL MySQL  
Stored procedures ORM  
REST JWT Auth0

## Windows Desktop

### Intermediate

C# SQL Server (T-SQL)  
Stored procedures  
C/C++

## Mobile development

### Intermediate

Kotlin Java

## Summary

Computer Systems Engineer from the Instituto Tecnológico de Mérida, with 3 years of professional experience. I've worked on international multidisciplinary teams developing massive web products, enterprise software and custom web-based solutions for national level franchises. Proficient in many languages and frameworks (such as React and FastAPI), and experienced in Typescript, SQL, Git, PHP and agile methodologies. I have proven to be very versatile, being able to work in both backend and frontend; and with a quick adaptation to new languages, frameworks and tools, as well as an assimilation of the culture and good practices of each team I've worked on. I enjoy following the best practices to write quality code.

## Experience

### Grupo Bursatil Mexicano, Casa de Bolsa

05/2022 - 08/2022

Mid Front End Engineer

Worked as the lead frontend engineer of a GBM back-office web platform team using an AWS CI/CD pipeline.

- Convert user requirements on new features using React/Redux/Sagas/SASS
- Write unit and integration tests using React Testing Library and Jest
- Propose and implement improvements for component and test codebase by using state-of-the-art development patterns
- Being an ambassador of good development practices and flows for other frontend teammates
- Implement a complex modular permission system
- Greatly increase the project test coverage
- Migrate React and testing libraries versions

### Boy Scouts of America

08/2021 - 05/2022

React Developer

Worked as frontend React developer on the international English speaker multidisciplinary team in charge of the Event Registration System for Boy Scouts of America using agile methodologies.

- Convert stories in to new features using React/Typescript/Redux/RxJS/Styled Components
- Communicate with users when it is needed in order to solve specific issues
- Always keep in sync with the design and backend teams
- Keep the codebase maintainable by keeping it modular and self-documented
- Write integration tests using Cypress
- Document processes and 'tribal knowledge' in Confluence

### The Ksquare Group

07/2021 - 05/2022

Fullstack Developer

Worked as a USA nearshore developer for The Boy Scouts of America. My main goal is to deliver a high-quality result in a timely manner, following the Ksquare culture.

### Génesis Aplicaciones

01/2020 - 07/2021

Junior Web Developer

In charge of developing and maintaining some massive web products, the main one being the TimbraXML billing web application. Besides gaining a lot of knowledge of frontend and backend web development, I learned what is a good workflow among a professional development team, supported by version control tools, progression boards and effective communication channels.

- Migrate, develop and maintain the TimbraXML billing web application
- Deliver custom web-based solutions (PHP/CodeIgniter/JQuery) for national level franchises
- Turn core processes into documented libraries with modern and readable syntax
- Make flows with Git to avoid crashes between teammate's changes

## Android Jetpack

### Tech skills

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#### Ninja

Git VS Code

Linux command line

Agile methodologies

Markdown LaTeX

### Learning

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Amazon Web Services

Remix framework

Microservices

### Soft skills

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Analytical skills

Detail-oriented

Critical thinking Integrity

Leadership Research

Stress management

Business vision

Written and oral communication

### Languages

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Spanish (Native)

English (B2, Conversational)

## Grupo Dicas

Technical Support Assistant

06/2019 - 12/2019

Originally tasked to be an assistant in technical support and server administration, I ended up doing all the engineering process to develop an Android application.

- Gather and interpret information about the experience of using software by users with little or no computer knowledge
- Used modern software design architectures (MVVM and observer pattern)
- Reverse engineer an existing system to integrate it to another with zero documentation
- Implemented a REST API with PHP and Laravel
- Secured the requests with JSON Web Tokens

## Systems development trainee

06/2018 - 08/2018

Marbol Industria Mueblera

Temporal member of the development team and mentored by Felix Amaya Valencia, from whom I quickly gained recognition and was assigned tasks of the same weight as those given to permanent members of the team. Working there, I learned to understand the importance of knowing the problems in depth before writing even a single line of code.

- Design modules of the internal custom ERP system with C# Windows Forms.
- Create the backend for my modules using T-SQL tables and stored procedures.

### Education

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#### Instituto Tecnológico de Mérida

08/2016 - 12/2020

Yucatán, México

Engineer in Computer Systems

Average score: 91.69

Artificial Intelligence

### Awards

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#### HackSureste 2018

· [https://github.com/gggiovanny/mesebot\\_legacy](https://github.com/gggiovanny/mesebot_legacy)

Team MeseBot

Thanks to Giovanni's leadership and technical skills, Team Mesebot was recognized with third place for creating a high-impact innovation project consisting of a system to deliver restaurant orders directly from the table to the kitchen using voice commands. The team won a cash prize, a pass to Talent Land in Guadalajara and an entrepreneurship mentorship by Instituto Yucateco de Emprendedores (IYEM) that included product registration and a registered company.

### Projects

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#### Costeapp

· [https://github.com/gggiovanny/costeos\\_app](https://github.com/gggiovanny/costeos_app)

2020

React RXDB React Hook Form Bulma

An offline-first web application for costing estimations of cooking recipes.

#### PetriPy

· <https://github.com/gggiovanny/PetriPy>

2021

Dissertation derivate project

Python, PyPI Package

Create timed Petri nets in a simple way through place and transition nodes that execute actions defined by you.

#### Asset validation application

· <https://github.com/gggiovanny/dicas-auditorias-app>

2019

Company project at Grupo Dicas

Mobile Android Kotlin Jetpack

An android application to validate the existence of fixed assets with a QR code.

#### Intelligent urban traffic control strategies

2021

<https://github.com/gggiovanny/TesisSemaforosInteligentes>

Bachelor dissertation at Instituto Tecnológico de Mérida

LaTeX Markdown Python PetriPy

Based on an architecture running on an urban traffic simulator, where each traffic light is an intelligent agent that makes decisions to give passing priorities according to predictions made based on the historical behavior of the intersection

**FiestasMexicanas** · <https://github.com/gggiovanny/FiestasMexicanas>

2018

School project

C# .NET Windows Forms SQL Server T-SQL

A Windows Forms desktop application for quoting, order management and piñata production.

## Publications

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### **Arquitectura basada en agentes para el control de tráfico urbano utilizando la herramienta de simulación SUMO** 10/2021

JOURNAL CIM: Coloquio de Investigación Multidisciplinaria (ISSN: 2007:8102)

My ongoing bachelor dissertation got a derivate published paper, and I had the honor to present it at CIM-Orizaba-2021 International Event where it aroused a lot of interest.

## Volunteer

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**Scouts de México** · <https://scouts.org.mx/>

03/2019 - 01/2022

Jefe de Tropa (YUC1990357)