



# JONATHAN CASTILLO

Software Developer

## ➤ ABOUT ME

B.Eng. in Computational Robotics with 1 year of experience developing web apps mostly with JavaScript (React, NodeJS, and Express). I am passionate and competitive, always eager to learn new things from challenges, self-learning, or being part of a team.

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✉ jonathancastillovelazquez@gmail.com

### Work Reference

Brianda Lara - Program Coordinator

- Cel. 9999691089
- [brianda.lara@itksquare.edu.mx](mailto:brianda.lara@itksquare.edu.mx)

## ➤ SKILLS

### Frontend

- React
- HTML
- CSS
- JavaScript / Typescript
- Bootstrap
- MUI

### Backend

- Node js
- Typescript
- Express
- PostgreSQL
- Sequelize

### Techniques

- Web Development
- Agile Methodologies
- Responsive Web Design
- GIT / GITFLOW
- Debugging
- Testing -Jest

### Soft skills

- Work under pressure
- Detail-oriented
- Critical thinking
- Problem-solving
- Good Team Player
- Time Management

## ➤ Languages

- Spanish (Native)
- English (High level)

## ➤ WORK EXPERIENCE

### 2022 - 2023 | INSTITUTO TECNOLÓGICO KSQUARE

JavaScript Associate Software Engineer - WebDev

#### Rappi Clone

- Work with Agile methodologies, GIT and Microservices-based architecture to develop the role-based "Point of Sales" app.
- Use React and MUI for building a responsive SPA with reusable and scalable components that consumed our own API.
- Use Node js and Express js for building a restful API, and socket.io to manage the full-duplex connection between clients and the server.
- Use PostgreSQL as database and sequelize as ORM to store and manage the whole information.
- Create authentication and authorization middlewares using Firebase Auth through tokens.
- Create routing using react-router-dom and authentication using the context hook and tokens.
- Implement WebSocket for User-POS immediate interaction (new orders).
- Implement clean architecture and best practices for clean, reusable and scalable coding.

#### Health Management System

- A role-based app developed under Agile methodologies and GIT.
- Use React and MUI for building a responsive SPA with reusable and scalable components that consumed my own API.
- Use Node js and Express js for building a restful API.
- Use PostgreSQL as database and sequelize as ORM to store and manage the whole information.
- Create authentication and authorization middlewares using Firebase Auth through tokens.
- Create routing using react-router-dom and authentication using the context hook and tokens.
- Implement clean architecture and best practices for clean, reusable and scalable coding.

### 2020 - 2022 | UCHIYAMA MANUFACTURING DE YUCATÁN

Production Engineer

Head of the material processing area. I performed as a leader of engineers and operators to achieve the high-quality expectations of the company in that area.

- Just In Time
- Kanban
- Jidoka
- 5s
- Lean Manufacturing
- Kaizen

## ➤ EDUCATION AND CERTIFICATIONS

### 2016 - 2020 | COMPUTATIONAL ROBOTICS ENGINEERING

Graduated - Universidad Politécnica de Yucatán

### 2022 | THE WEB DEVELOPER BOOTCAMP 2022 BY COLT STEELE

Finished - UDEMY

### 2023 | SALESFORCE JAVASCRIPT DEVELOPER I CERTIFICATION

Certified - Salesforce

### 2022 - 2023 | JAVASCRIPT JUNIOR DEVELOPER

Certified - Instituto Tecnológico Ksquare