

# Matheus Daniel Cristal Comparotto Gomes

Full Stack Developer (B1-level)

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Freelance Developer since 2020, Programming Student since 2017

## EXPERIENCE

### Intercultural Diversity Research Institute — Freelance Full Stack Developer

JULY 2023 - OCTOBER 2023

An electronic dictionary of the Terena language, an endangered indigenous language. First, an API was developed to register 1,268 terms provided by the institution. Then, a progressive web application was developed to consume the API's query services. Finally, an Android application was developed with a function to save audios on the user's mobile device. The Android application was necessary because there is no internet access in some indigenous villages. By downloading the terms, students can learn Terena without internet access. Currently, the application is used in indigenous villages to teach younger indigenous people the mother tongue of their ancestors.

Technologies used: Express (NodeJS), MongoDB Atlas, Mongoose GridFS, React, React Native.

Click here to learn more: <https://kalivono.vercel.app/projeto>

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### Fire Department — Freelance Full Stack Developer

MAY 2021 - MARCH 2022

Progressive web application for inspection, registration, and PDF report generation of fire trucks of the Aquidauana Fire Department - MS. It is noteworthy that the organization of reports provided by the application resulted in a positive readjustment for the corporation.

Technologies used: React, Express (NodeJS), MongoDB Atlas.

Click here to learn more: <https://github.com/mdccg/controle-de-viaturas>

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### Urban Agroecological Farm Da Roça — Freelance Front-end Developer

AUGUST 2020 - MAY 2021

Prototyping and development of an online shopping application for an urban agroecological farm in the municipality of Aquidauana - MS.

Technologies used: Figma, React Native, RN Paper, Font Awesome.

Click here to learn more: <https://figma.fun/oXmYEv>

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### Federal Institute of Mato Grosso do Sul — IT Intern

SEPTEMBER 2019 - DECEMBER 2019

Description: Application for evaluating school meals by students. The developed system used star ratings and generated a report of satisfaction metrics for each meal offered. In March 2020, the system became unfeasible due to the immediate suspension of school activities at the institute.

Technologies used: PHP, PostgreSQL.

## EDUCATION

### Federal Institute of Mato Grosso do Sul - Aquidauana Campus — Higher Course in Technology in Internet Systems

AUGUST 2021 - JULY 2024

### Federal Institute of Mato Grosso do Sul - Aquidauana Campus — Integrated Technical Course in Information Technology

FEBRUARY 2017 - JULY 2020

### Educational Institute Falcão — Elementary School

2009 - 2016

# TECH STACK

## Programming languages

Java, JavaScript, PHP, Python, TypeScript

## Front-end

Angular, Expo, Figma, React, React Native

## Back-end

Express, Firebase, NodeJS, Prisma

## DevOps

Arduino, Cisco, Docker, Git, GitHub Actions, Redis, Vercel

## Databases

MongoDB, MySQL, Postgres, SQLite

## Tests

Cypress.io, Jasmine, Jest, Postman

# RELEVANT PROJECTS

## Ai, que fome! — Academic project

AUGUST 2023 - OCTOBER 2023

School Meal Management Platform developed for Federal Institute of Mato Grosso do Sul - Aquidauana Campus by the 5th period of the Higher Course in Technology in Internet Systems as a requirement to obtain the partial grade for the activities of the curricular unit Programming Language IV.

Technologies used: Express (NodeJS), MongoDB Atlas, React.

Click here to learn more: <https://github.com/mdccg/ai-que-fome-showcase>

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## Development of an application for tracking IFMS graduates — Undergraduate Scientific Initiation Project

AUGUST 2021 - AUGUST 2022

An enterprise social network for graduates from all IFMS campuses. Its main objective is to collect course evaluations, offer job opportunities, and encourage graduates to continue at the institution through other courses or selection processes so that they can join the institution as collaborators.

Technologies used: Figma, React Native.

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## Kalivôno: promoting access to the Terena language through a progressive app — High School Scientific Initiation Project

AUGUST 2019 - AUGUST 2020

Electronic dictionary of the Terena language, an endangered indigenous language. An API was developed to register 1,268 terms provided by the institution and a progressive web application to consume the API's consultation services. Currently, the application is being used in indigenous villages to teach younger indigenous people the mother tongue of their ancestors. Note: in August 2020, only the Minimum Viable Product was delivered; from July to October 2023, the Android application was developed, allowing the audio of the pronunciations of Terena terms to be downloaded.

Technologies used: Express (NodeJS), MongoDB Atlas, Mongoose GridFS, React.

Click here to learn more: <https://kalivono.vercel.app/projeto>

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## IFMS Aqui Comunica: Scrum — High School Scientific Initiation Project

AUGUST 2017 - AUGUST 2018

Event platform related to Federal Institute of Mato Grosso do Sul - Aquidauana Campus developed by a team of four students from the Integrated Technical Course in Informatics using the Scrum methodology. The teaching project was accredited for both FECIAQ (Aquidauana Science and Technology Fair) and FETECMS (Mato Grosso do Sul Technology, Engineering and Sciences Fair), considered the largest science fair in the Midwest region.

Technologies used: PostgreSQL, Java, Hibernate, Spring Boot, Thymeleaf, JavaScript.

# Certifications or Licenses

## Udemy — Angular 2 (v17+) TypeScript From Beginner to Advanced Certificate

Skills: AngularJS, Angular Material, RxJS, SASS.

## CertiProf — Scrum Foundation Professional Certificate - SFPC™

Skills: Scrum.

## FEBRACE — Methodology of Research and Guidance of Scientific Initiation Projects

Skills: Scientific research.