

Mateus da Silva Rosario

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 My Portfolio

ABOUT ME

I am a **Software Developer** with 4 years of experience and a degree in **Computer Science**, primarily working as a **FullStack Web Developer** on projects focused on **business automation**.

I have participated in the full development lifecycle of web systems, from planning to delivery, always emphasizing clean code, efficient solutions, and real-world process improvements.

I have successfully **identified and resolved structural issues** in the systems I worked on by proposing and implementing **new technologies and architectural solutions** that enhanced reliability, security, and maintainability.

EXPERIENCE

Junior FullStack Developer

Aug. 2023 – Present

- Viatech Sistemas

Palmas, Brazil

- Primary role as a fullstack developer building a complete system using **Angular** (TypeScript), **Spring Boot** (Java), and **PostgreSQL**, with focus on efficiency, maintainability, and clean architecture;
- Developed auxiliary services in **Go** for automation tasks and efficient data transfer between distributed systems, leveraging its asynchronous and concurrent nature;
- Integrated REST APIs, **WebSockets**, and messaging systems, including architecture and maintenance of asynchronous communication infrastructure;
- Took on technical leadership in internal projects, monitoring other developers and overseeing solutions built with **React** and **TypeScript** (using **TypeORM**);
- Built multiple essential services using **Docker Compose**, enabling simplified deployment, easy maintenance, and consistent environments;
- Designed a reverse proxy architecture with **Nginx Proxy Manager**, automated SSL certificate issuance, and configured **HTTPS** to ensure secure communication;
- Active participation in the full development lifecycle: requirements analysis, implementation, testing, and continuous maintenance.

Internship - FullStack developer

Oct. 2020 - Nov. 2022

- Software Factory, Federal University of Tocantins

Tocantins, Brazil

- Development of a web System to Create, Revise and Manage the Courses Pedagogical Plans inside the University;
- Frameworks Angular, Django, and Rest API;
- JavaScript, TypeScript, Python, HTML and CSS Languages;
- MySQL databases.

Mandatory Internship - FullStack Developer

Sept. 2019 - Nov. 2019

- Federal University of Tocantins

Tocantins, Brazil

- Development of a web system to work as a Accounting Software for Educational Purposes;
- Frameworks Angular, Django, and Rest API;
- Languages JavaScript, TypeScript, Python, HTML and CSS;
- MySQL databases.

ACADEMIC WORKS

GeoPorTOur University Extension Project

June 2020 - Oct. 2020

- Proex, Federal University of Tocantins

Tocantins, Brazil

- Development of the [GePorTour](#) mobile application for social education about the Porto Nacional city (Tocantins, Brazil) historical landmarks;
- Dart Language;
- Firebase Platform;
- RestFull API Consumption.

Work published in conference proceedings

2018

- XI SECCOMP, Federal University of Tocantins

Tocantins, Brazil

ROSARIO, M. ; ALMEIDA, M. ; Arruda, W.C. ; LIMA, RAFAEL . Comparative analysis between basic GA and NSGA-II using Rastrigin function. In: XI SECCOMP - Academic Week of the Computer Science Course, 2018, Palmas-TO. Proceedings of XI SECCOMP - Academic Week of the Computer Science Course, 2018.

Undergraduate research project

June 2018 - June 2019

- Federal University of Tocantins

Tocantins, Brazil

Mateus da Silva Rosario. Evaluation of transgenic and homogeneous genetic algorithms. 2019. Undergraduate research project. (Undergraduate in Computer Science) - Federal University of Tocantins. Advisor: Rafael Lima de Carvalho.

SKILLS AND COMPETENCIES

- **Quick learning** and **Problem analysis** capability;
- Competence for **team work**, **leadership** and **problem solving**;
- Domain and plain knowledge in **programming**;
- Knowledge of clean code and domain on **good practices**;
- Experience with **agile development frameworks** (Scrum);
- Proficient in programming languages: **C**, **Go**, **Python**, **Java**, **JavaScript**, and **TypeScript**;
- Experience with **SQL databases**, particularly **PostgreSQL**;
- Backend development experience with **Spring Boot** and **Django**;
- Advanced experience with the **Angular** framework;
- Knowledge and hands-on projects using the **React** library;
- Proficient in **HTML** and **CSS**;
- Experience building **frontend** and **backend** systems communicating via **RESTful APIs**;
- Limited experience with **mobile development** using **Flutter** and **SwiftUI**;
- Experience with **Git** and related tools;
- Knowledge of **computer networks**;
- Foundational knowledge in **Machine Learning** and **Artificial Intelligence**.

EDUCATION

2017 - 2023	Bachelor's Degree in Computer Science at Federal University of Tocantins	Tocantins, Brazil
2014 - 2017	High School Integrated with technical in Land Surveying course at Federal Institute of Technology of Tocantins	Tocantins, Brazil
2010 - 2013	Elementary Education at Caroline Campelo Cruz da Silva School	Tocantins, Brazil

LANGUAGES

Advanced English	Language Center - Federal University of Tocantins
Portuguese Native Speaker	