

## **Yure Barbosa Couto**

Full Stack Developer

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### **Resume:**

As a Full Stack Developer, I boast a proven track record in crafting and enhancing innovative solutions. My approach aligns with SOLID principles and emphasizes clean code standards, showcasing my unwavering commitment to code quality and efficiency. Across diverse experiences, I showcase my adaptability to various technologies and environments, coupled with a strong ability to collaborate within teams. These qualities consistently translate into significant contributions, driving the success of projects.

### **Main Competencies:**

Node, TypeScript, JavaScript, Express, Prisma, React Native, React, Redux, ContextAPI, Golang, Gorm, Fiber, Python, Django, Flask, Git, Api REST, Docker, HTML/CSS, Material Ui, Styled Components.

### **Education:**

**UNIDESC – Centro Universitário de Desenvolvimento do Centro-Oeste**

Analysis and systems development (2022 – 2024)

### **Professional Experience:**

**Clinfec - Infectious Diseases Clinic | Brasília-DF - 08/2023 – 01/2024 ( 7 months )**

***Full Stack Software Developer:***

Engaged in the development of a web system for Medical Clinics following the TISS standard, a project with which I have prior experience and that has undergone various changes, including the implementation of TypeScript. The messaging system is being constructed using RabbitMQ, while AWS serves as the deployment platform and Azure DevOps as the codebase

#### ***Key Responsibilities:***

- React application development using TypeScript;
- Creation of components using the Material Ui Design library;
- Componentization and refactoring of redundant code;
- Handling front-end global states with Context API;
- Creation of Rest API following SOLID standards in Node/TypeScript;
- Control and validation of sessions using standard JWT;
- Data modeling and consumption of the MySQL database using ORM Prisma;
- Configuration of the Web server to use the HTTP protocol with Express;
- Creation of Middleware to ensure data security and application integrity;
- Creation of Services to apply business rules following the TISS standard (National communication standard for the Brazilian health sector);
- Containerization and build of applications using Docker;
- Integration with AWS services, ECR and ECS for deployment, S3 for file storage;

**SPRO IT Solutions | Curitiba-PR (Remote) - 08/2022 – 05/2023 ( 9 months )**

***Full Stack Software Developer:***

As part of the SPRO IT Solutions innovation team, I actively participated in the development of two projects, the first being a Multi-platform application, designed to be integrated with equipment manufactured by the company E-Aware, designed to present an intuitive and informative user interface and experience to read

equipment measured info and control equipment actions, I also participated in the development team of a web dashboard that compiled data from external APIs for monitoring and mapping areas.

*Key Responsibilities:*

- Development of React Native application using TypeScript;
- Creation of components using the Ui Styled Components library;
- Testing, validating flows and fixing application bugs;
- Management of global application states using Context API;
- Creation of Routes and Middleware using Express in the back-end application;
- Creation of Services and consuming the NoSQL MongoDB database using TypeOrm;
- Integration with Kafka messaging service;
- Maintenance of E-mail service using Nodemailer and Push Notifications;
- Creation of components for Dashboard React using Javascript and Material UI;

**Clinfec - Infectious Diseases Clinic | Brasília-DF - 04/2022 – 08/2022 ( 5 months )**

***Full Stack Software Developer:***

I played a key role in constructing a system for Medical Clinics adhering to TISS standards, where I developed a RESTful API using Node and Express, seamlessly integrated with a MongoDB database. Additionally, I created a client application in React, Redux, and React-Router to consume the API. This experience significantly contributed to my growth as a programmer, expanding my expertise in web development and microservices. Notably, it showcased my ability to apply business rules to data flow within the API.

*Key Responsibilities:*

- Developed the back-end application in JavaScript, encapsulating information and business rules from the TISS (Brazilian government pattern to ensure medical info) standard.
- Implemented a RESTful API using Node and Express.
- Integrated and modeled the database using MongoDB.
- Developed the client application in React and Redux."

**Languages:**

- Portuguese (Native).
- English (CaMLA Certificate)

**Links:**

**Portfolio:** [yurecouth.com](https://yurecouth.com)

**Github:** <https://github.com/yurecouth>