



# Guilherme Icaro Real

## Full-Stack Developer | Software Engineer

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**📍** Belo Horizonte, MG - Brasil    **📅** 23/10/1998

### Skills

JavaScript | TypeScript | Node.js | Express.js | React | Styled-Components  
Jest | SQL | Prisma ORM | PostgreSQL | NoSQL | MongoDB | Redis  
Docker | AWS | Git | NPM | Agile | Scrum

### Languages

Portuguese  
English

### Education

2022 – 2023

- Full-Stack Development**, Driven Education
- Intensive formation of +1,200 hours focused on practical projects.
  - +25 projects in the technologies: HTML, CSS, Javascript (React, Node.js, Typescript).
  - Fundamentals of software engineering: programming logic, algorithms, data structures, object-oriented design, architecture, optimization, performance and clean code.
  - Relational and non-relational databases with PostgreSQL, Prisma ORM, MongoDB and Redis.
  - DevOps principles with GitHub Actions, Docker and AWS.
  - Unit, integration, and end-to-end testing with Jest, SuperTest, and Cypress.
  - Teamwork using agile methodologies (Scrum), Git, Slack, Trello, Zoom, collaborating, giving and receiving feedback.
  - Development of behavioral competencies and professional skills.

2019 – present

**Information Technology**, UFMG

2014 – 2017

**Mechatronics Technician**, CEFET-MG

### Working Experience

#### Meu Locker

05/2020 –  
12/2022  
Belo Horizonte

- Electronics and Systems Technician**
- Identify, analyze, and troubleshoot problems in the electronics and integrated systems area, supporting the development, improvement, and maintenance of software and hardware systems for Smart Lockers developed by Meu Locker.
  - Integrate and install Android applications and web systems with microprocessed electronics, as well as test, assist in production control, problem resolution, and installation of Smart Lockers.

10/2019 –  
03/2020

- Research and Development Internship**
- Optimize and support the development, maintenance, and analysis of firmware in microelectronics, interface with Android systems, and logic and electrical circuits.
  - Test and troubleshoot software and hardware for Smart Lockers developed by Meu Locker.

06/2018 – 11/2019  
Belo Horizonte

**Schindler Elevators**, Elevator Maintenance Technician

- Specialized technical customer service, maintenance, inspection, and technical diagnosis of elevators.
- Identifying failures and problems in preventive and corrective maintenance of Atlas Schindler technologies.

01/2017 – 12/2017  
Nova Lima

**Vale**, Maintenance Technical Intern

- Measure and optimize reliability processes for mining equipment maintenance.
- Monitoring of the quality, productivity and continuous improvement of maintenance processes.

## Main Projects

**BJJ Tournament**, Jiu-Jitsu tournaments system

- Fighting tournaments organization and registration system, with event creation and management, enrollment in different championships, user login, tournament bracket setup and winners, registration payments, and medal counting.
- Back-End: TypeScript, Node.js, Express.js, BCrypt, JWT, Joi, Prisma ORM, Postgres SQL, Jest, Supertest
- Front-End: React.js, Axios, React-Router-Dom, Styled-Components, React-Icons
- <https://github.com/guilhermeicarofr/BJJ-Tournament-BackEnd>
- <https://github.com/guilhermeicarofr/BJJ-Tournament-FrontEnd>

**Linkr**, Social Network 

- A link sharing social network, with registration and login, user search, follow/unfollow functions, hashtag trends, a post system with delete and edit options, post comments, and likes system.
- Back-End: Node.js, Express.js, BCrypt, JWT, Joi, Postgres SQL, Arquitetura em camadas, layered architecture
- Front-End: React, Axios, Styled-Components, React-Router, React-Icons
- <https://linkr-vert.vercel.app/>
- <https://github.com/guilhermeicarofr/Linkr-BackEnd>
- <https://github.com/guilhermeicarofr/Linkr-FrontEnd>

**SneakerHead**, Shoes E-Commerce 

- A shoe e-commerce prototype with user login, product selection, shopping cart, and order completion.
- Tecnologias: Node.js, Express.js, React, Axios, Styled-Components, MongoDB, BCrypt, Joi
- <https://sneakerhead-vert.vercel.app/>
- <https://github.com/guilhermeicarofr/SneakerHeadStore-BackEnd>
- <https://github.com/guilhermeicarofr/SneakerHeadStore-FrontEnd>