

# SATIL PEREIRA

## FULL-STACK DEVELOPER

 <https://github.com/satilpereira>  
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 <https://satil.dev> ← Being developed

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### ABOUT ME

- Full-stack Software Engineer with a background in Mechatronics. Passionate about backend development, technology, and innovation. Skilled in Node.js, MongoDB, React, and project management. Achieved second place in the international Shell Eco Marathon competition. Engaged in biomedical engineering projects and robotics education. Fluent in Portuguese and English, learning French. Committed to excellence and continuous professional growth.

### SKILLS

- Node | Express | MongoDB | React | Typescript | Tailwind | C/C++ | Git | GCP | MySQL | Java | Python | RESTful
- Websockets | Figma | Docker | CI/CD com github actions | NPM | Inglês proficiente

### EXPERIÊNCIAS

#### Software engineer

#### SMCTI – Pato Branco

2022 – Atual

- In charge of software conception, technical analysis, and architecture, technology selection, and project management leadership.
- Training junior members, providing technical training and mentoring.
- Developed a Fleet Management system, with a React Native Mobile application, Node/Express Backend using a RESTful API and websockets, and a web system for managers to monitor. The system saves vehicle positions to display the route, mileage traveled and expected, users who used it, which vehicle was used, and has a complex hierarchy system.
- Developed several systems for robotics projects, a gastronomic festival, municipal surveys such as the Municipal Tourism Council survey, and Accessibility Survey.
- Developed the website for the Secretary of Science and Technology and the Iventum website, one of the largest technological fairs in Paraná.
- Developed an embedded system for traffic light control, aiming to improve signaling visibility and reduce the traffic accident rate in the municipality. This project was done internally to reduce costs.

#### Manager of electronics

#### Pato a Jato

2022 – 2023

- I worked on the development of an electric vehicle and a combustion prototype for international competitions.
- I developed a highly efficient telemetry system using a broker architecture with the MQTTs protocol. I achieved second place with the telemetry at the Shell Eco Marathon Americas 2023, in Indianapolis, where we achieved an energy efficiency of 768 km/L of ethanol. I
- managed the team using agile methods, such as SCRUM, to manage projects.
- I conducted training sessions on Programming, Git/GitHub, Eagle PCB, Fusion 360, Project Management, and Basic Electronics, including for members of other team cells, such as powertrain and structure.
- I developed the team's website to promote our activities and supporters. I implemented the team's first telemetry system to retrieve vehicle data in real-time, efficiently and accurately.

#### IT Assistant

#### Grupo Golphe

2018 – 2019

- I performed the assembly and maintenance of printed circuit boards for asset security and access control.
- Provided support and maintenance for systems and computers.

### EDUCAÇÃO

#### Bachelor Computer engineering / Degree

2020 – Current

Universidade Tecnológica Federal do Paraná

#### Mechatronics technical / Degree

2015 – 2017

ETEC Rubens de Faria e Souza, Sorocaba