# DURVAL CARVALHO

## Software Engineer

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📍 Brasília - DF

## SUMMARY

Software Engineering Student at the University of Brasília. Collaborator of open source SIGE-UNB project developed by the Advanced Laboratory for Software Production, Research and Innovation (LAPPIS) at UnB - Gama. Active member of the Marathon Programming (SBC) community in the Centro-Oeste region of Brazil, participating in marathons and elaborating problems for marathon runners. Durval is a Software-breathing person, actively participating in discussions about systems architecture, algorithm design and complex problem-solving.

## EXPERIENCE

### Backend Enginner

**Brelo**

📅 12/2020 - Ongoing  📍 Remote

Brelo is a fintech that provides services associated with mobile devices. Its main B2C product is the provision of credit with the mobile phone as a guarantee, the main B2B product being the provision of a score for a certain mobile device and device lockers.

- I learned to develop distributed systems (microservices)
- I learned how to develop crawlers for data extraction (using bots)
- I learned to develop event-driven systems using Apache Kafka

### Open Source Collaboration

**SIGE - UNB**

📅 02/2021 - 05/2021  📍 UnB - FGA

SIGE - UnB (Monitoring and Energy Management System for Buildings at the University of Brasília) is a software that monitors, in real time, more than 30 points of the UnB electrical network. It includes the production of energy from photovoltaic generation systems implemented at the University. Provides information on consumption, voltage level, power factor, demand, among others.

- I learned to communicate with measurement hardware using low-level protocols such as Modbus TCP/IP and RTU
- I learned to develop for distributed architectures

### Software Engineer Intern

**Scytl - Innovating Democracy**

📅 01/2020 - 04/2020  📍 Brasília

Scytl is a company that provides online voting services. I worked at the company for a short period of time developing internal APIs and refactoring user interfaces.

- I learned how to develop applications for the Windows ecosystem.
- I learned how to develop REST APIs using the ASP.NET Web API framework.

## TECHNOLOGIES

**Extraction Crawlers/Bots**
Proficient
●●●●○

**Python**
Proficient
●●●●○

**Django & Django REST**
Proficient
●●●●○

**SQL**
Proficient
●●●●○

**C/C++**
Proficient
●●●●○

**Git**
Proficient
●●●●○

**SQL**
Advanced
●●●○○

**C# & ASP.NET**
Intermediate
●●●○○

**Angularjs**
Beginner
●●○○○

## METHODOLOGIES

SCRUM | Extreme Programming

KANBAN | RUP

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