

# LUCAS BORGES

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## Skills

- Go(gorm, chronos, protocol buffers), Java(spring, jpa, hibernate), C/C++, SQL(postgresql, mysql, sqlite)
- Python(pandas, numpy, scikit-learn, matplotlib, tensorflow, keras, flask); Core statistics for data science
- AWS, Docker, YAML, OpenShift, Jenkins, Bash/Shell Script; Deep understanding of Linux OS
- JavaScript, TypeScript, Angular, Next.js, React, React Native, WordPress
- GIT(GitHub, GitLab), Godot, GDScript, Android, Firebase

## Experience

**Freelancer** (remote) **KeybotoDev** 02/2023 - Current

- Full Stack Development & Software Engineering Consulting



keybotoDev QR Code

**Full Stack Dev (Backend)** (remote) **Scandinavian Capital Markets (Nordic Funder / Impossible Ventures)** Stockholm, Sweden 08/2022 - 04/2023  
Beaverton, OR, USA

- Developed a highly performant SaaS server taking optimal advantage of Go concurrency, the server could connect to a Forex Trading Platform API (cTrader) and integrated features not provided by the API.
- With very little hardware resources (a cheap t2.large AWS machine) my server in development could seamlessly handle the new feature which would receive THOUSANDS/sec price updates and accurately predict the equity in real time for over 1000 concurrent active users.
- The solutions I offered and implemented exceeded expectations, the server's improved performance and additional features filling gaps in the API enabled the company to start a new business deal, changing its architecture to a **micro-services** based one.
- Transferred all the needed knowledge for the team, we worked agile and used **RabbitMQ** as a **message broker** for the new version of the server I created, breaking the server into translators and main for it to handle **multiple APIs** from platforms such as cTrader and MT4.

**Full Stack Development Intern** **Ministry of Environment of Brazil** Brasília, DF, Brazil 08/2021 - 08/2022

- **GEPROD**: Developed a new control and data management platform for the Ministry's External Resources Department.
- Backend in **Java Spring** Framework, using **PostgreSQL** for the database. Connection to external APIs for currencies and prefixes.
- Frontend in **Angular**, with **TypeScript**, consuming our Java API.
- We worked with the CI/CD team and managed **Jenkins** and **OpenShift**.

## Education

**Bachelor of Science** **CEUB (University Center of Brasília)** Brasília, DF, Brazil 07/2018 - 12/2022

- Major in Computer Science

**Postgraduate Specialist** **CEUB (University Center of Brasília)** Brasília, DF, Brazil 04/2023 - Current

- Specialist in Data Science and Machine Learning

## Projects

- **KEYBOTODEV (work in progress)**: Platform to showcase my projects and establish myself as a freelance developer. (05/2023)
- **ZipZop**: College project developed in Java for Android and SQLite, with a fully automated compact database, specifically designed to support and empower street vendors and independent sellers in Brasília, by providing them a tool for offline financial control. (03/2022)
- **Fabão's FishGame**: Fork and deployment of HeroicLabs' FishGame to multi-platform by adding a mobile control interface. (04/2022)
- **Jogo da Galinha**: Godot game made from scratch: You as a worm must rescue friends from a fast and powerful chicken boss. (11/2021)

## Mentorship

**Computer Science's Tutor** **CEUB (University Center of Brasília)** Brasília, DF, Brazil 09/2021 - 07/2022

- Tutored and assisted Computer Science, Computer Engineering and Systems Analysis and Development students.
- Created intensive-courses and trained students in C, C++, Java and Python.

## Others

**Volunteer** **IFB (Federal Institute of Brasília)** Brasília, DF, Brazil 01/2017 - 07/2017

- **Normaliza IFB**: Implemented the first version of the web platform [normaliza.ifb.edu.br/](http://normaliza.ifb.edu.br/).

Portuguese: Native

English: Proficient

Spanish: Intermediate