

Bruno Vinicius Veronez de Jesus

Back-end Developer

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SUMMARY

Back-end developer at Hablla, working in Go on data aggregation pipelines and third-party integrations over PostgreSQL, MongoDB, Redis and Firestore. Computer Science graduate from UNESP with published NLP research: a fine-tuned BERT model that set the best known result (0.94 F1) for rhetorical move detection in Portuguese.

WORK EXPERIENCE

Hablla

Remote, Brazil

Back-end Developer

Jan 2026 – Present

- Build and maintain reporting systems and data aggregation pipelines in Go across four persistence layers: PostgreSQL/AlloyDB on Google Cloud, MongoDB, Redis and Firestore
- Own integrations with the Meta ecosystem (WhatsApp Cloud API, Facebook and Instagram), including OAuth flows and the message template system with versioning
- Design and implement REST APIs for customer-facing metrics, tuning Go concurrency so aggregated numbers stay correct under load

Hablla

Remote, Brazil

Software Developer Intern (Support and Front-end)

Oct 2024 – Dec 2025

- Built and maintained flow-builder components in React, TypeScript, Redux and Redux Saga for a conversational CRM platform
- Integrated third-party APIs into the platform's automation flows and helped plan and implement the interface for autonomous AI agents
- Spent the first 3 months on the support team resolving customer issues, mapping the platform's flows, APIs and integrations end to end
- Joined client meetings regularly, translating business rules between customers and the dev team; promoted to Back-end Developer in Jan 2026

UNESP, Parallel and Distributed Systems Group (GSPD)

São José do Rio Preto, Brazil

Undergraduate Researcher (CNPq scholarship)

Jan 2022 – Dec 2023

- Led the redesign and reimplementation of the GUI of iSPD, a simulator of parallel and distributed systems, in C++ with Qt
- Published the results at ERAD-SP 2023, with focus on event handling and visualization of large volumes of simulation metrics

EDUCATION

UNESP – São Paulo State University

Brazil

B.Sc. in Computer Science

Jan 2021 – Dec 2025

PUBLICATIONS

- **Deep Learning for Rhetorical Move Detection.** STIL 2025, Brazilian Computer Society (SBC). DOI: 10.5753/stil.2025.37824
Fine-tuned a distilled BERTimbau on 52 annotated abstracts expanded to 1,409 examples through a meaning-preserving augmentation pipeline; reached 0.94 F1 and 93.97% accuracy against a 72% prior baseline, the best known result for Portuguese
- **Graphical Interface for Exascale Systems Simulation.** ERAD-SP 2023. DOI: 10.5753/eradsp.2023.231910

PROJECTS

- **Swales Scientific Writing** (swales.com.br): web app that runs a BERT model (ONNX) to give students real-time feedback on the rhetorical structure of scientific abstracts; React, TypeScript
- **Speech2Text:** desktop transcription app built around OpenAI Whisper with on-the-fly model switching; Python, PySide6, background threads keep the UI responsive

SKILLS

Programming languages: Go, TypeScript, JavaScript, Python, C, C++, Java, SQL

Back-end and data: PostgreSQL, AlloyDB, MongoDB, Redis, Firestore, REST APIs, OAuth 2.0, Google Cloud

Front-end: React, Redux, Redux Saga, Next.js, Vite, Tailwind CSS

ML and NLP: PyTorch, TensorFlow, Hugging Face Transformers, BERT, ONNX

LANGUAGES

Portuguese (native), English (professional working proficiency)