Breno Silva | Senior Software Engineer

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ABOUT ME

I'm Breno, a Software Engineer seasoned in Web Development, DevOps, Python, and Machine Learning Engineering. Constantly trying to improve my developer skills by learning how things work in the background. I use Neovim with TMUX and I like typed languages like Golang and Rust.

Currently residing in the Netherlands, my roots are in Brazil. My diverse experiences also include serving as a police officer for five years, where I launched 'InfrAÇÕES', a mobile application with over 100k active users that aims to make traffic law accessible to everyone.

I'm a lifelong learner, my journey in coding began at the age of 11 and continues passionately to this day.

PROFESSIONAL EXPERIENCE

June 2023 - Present | **Senior Software Engineer at Bol.com, Netherlands**

Working inside the SecOps team. My goal is to simplify and improve software related processes:

> Leading the development and implementation of comprehensive vulnerability scanners, enhancing the security posture across the company's landscape.

> Leading improvements in DevOps practices, significantly enhancing the infrastructure for the team's projects.

> Conducted a team's assessment to raise awareness and help the leadership understand and prioritize pain points.

June 2021 - June 2023 | **Senior Machine Learning Engineer at Wildlife Studios, Brazil**

Technically leading a task force of 4 engineers responding directly to a Director:

> Migrated 100+ DAGs from Airflow 1 to Airflow 2, eliminating a long overdue technical debt.

> Mapped all Databricks and AWS costs, making them available to each team and increasing cost awareness.

> Used the mapped costs to identify cost reduction opportunities across the landscape, delivering a USD 500 thousand dollars year cost reduction.

Working inside the LTV modeling squad:

> Enhanced pipeline resilience and fault-tolerance, safeguarding against financial losses through fallback mechanisms.

> Simplified the ML pipelines, delivering the LTV predictions faster (from 90 to 20 minutes).

> Migrated pipelines data from Parquet/ORC to Delta Tables, delivering faster to query and easier to debug pipelines.

March 2020 - June 2021 | **Data Scientist at Itaú Unibanco, Brazil**

Working inside the customer relationship management analytics team:

> Developed a feature store for customer variables, accelerating analysis and machine learning model development cycle.

> Lead the development of a machine learning model to predict non-client enterprise lifetime value.

June 2019 - March 2020 | **Software Engineer Consultant at IBM, Brazil**

Working inside the IBM analytics consultancy team for the mining company Vale:

> Developed a MLOps platform for model training, model storage, and model deployment.

> Implemented a web platform for mine topography interaction with real-time data, optimizing the previous weekly generated view process.

October 2014 - March 2019 | **Software Engineer at NerdES, Brazil**

Leading the development of software projects for the company clients:

> Developed a web platform and mobile application for a company that manages funds for graduates. The platform offered features like: integration with payment providers, charts and students' invoices processing.

> Developed a web platform and mobile application for a company that helps students prepare for college admission exams. The platform offered features like: study calendars, quiz sections, and class video streaming.

EDUCATION

Universidade Federal do Espírito Santo, Brazil

Bachelor of Science in Computer Science:

> Trained GANs to develop copycat attacks against black box DNNs for my final thesis ([repository](#)).

> Worked as T.A. for an Android Development class.

OPEN SOURCE

Main Contributions

Gitlab CLI (golang): [feat: add --web flag to ci command](#) and [fix: duplicated aliases](#).

Streamlit (python and react): [fix: dataframe wrong text-aligment for string columns](#) and [fix: how-to-use example code](#).

Github CLI (golang): [docs: improve command description](#).

My Packages

[Mix.nvim](#) (lua): A Mix (Elixir) wrapper for Neovim.