


# Jucélio Jair Silva

Software Developer

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I am a Software Developer who seeks to understand motivations before making decisions. I have a decade of experience with web applications, having worked in startups, fintechs, consulting, and academic research, utilizing technologies such as Go, Python, C/C++, Flutter, Svelte, Postgres, Google Cloud Platform (GCP), Kubernetes, Docker, and Terraform. I believe that beyond technology, communication, kindness, and commitment are pillars for building robust solutions.

## Software Developer at Indaband

September 2021 – April 2025

At Indaband, I implemented and optimized backend systems using Go, Python, and JavaScript. I developed mobile applications in Dart with the Flutter framework. I analyzed and improved the performance of SQL Queries in Postgres. I integrated communication services, such as Stream and chatbot APIs, e.g., ChatGPT, to implement an automated translation service. I optimized the campaign message sending flow, achieving a 93% improvement in processing time for 240,000 messages. I authored articles documenting workflows, postmortems, and tool configurations. I facilitated the onboarding of new hires, fostering their integration and technical development through meetings, pair programming, and code reviews.

## Software Developer at Stone

September 2020 – September 2021

At Stone, one of Brazil's largest fintechs, I worked as a Backend Software Engineer utilizing Go and Postgres. I contributed to the design and implementation of the transaction registration system (Ledger), which is fundamental for financial reliability, and directly contributed to the credit card product. I advocated for the use of Hexagonal Architecture, promoting best practices for project organization and scalability within the team.

## Software Developer at Cheesecake Labs

January 2019 – September 2020

At Cheesecake Labs, a software development company, I worked with global clients developing backend applications in Python with the Django framework. I reduced patient care time in ICUs with dashboards that supported hospital team decision-making. I developed web systems for educational institution administration. Through data analysis, I simulated the optimal conditions for civil construction companies to create their projects. Still with data analysis, I created a dashboard with global startup trends impacting space exploration.

## Software Developer at RNP

July 2016 – October 2018

Within the GidLab project at the Brazilian National Research and Educational Network (RNP), I deployed environments for testing with OpenID Connect and SAML, using Virtual Machines and Docker Containers, reducing partner project configuration time by up to two weeks. I developed the GSOV application for metadata expansion between Identity Providers (IdP) and Service Providers (SP). I published two scientific articles in the field of Digital Identity Management, Authentication, and Authorization.

"SM4VO: A Security Management Mechanism for Virtual Organizations," at the Latin-American Symposium on Dependable Computing (LADC)

"Mecanismo de controle e gestão de segurança para ambientes colaborativos" (Security Control and Management Mechanism for Collaborative Environments), in the Brazilian Journal of Applied Computing.

## Software Developer at CNPq

May 2014 – October 2016

At the National Council for Scientific and Technological Development (CNPq), I worked on developing solutions through digital image processing, using Python and C++ with the OpenCV library. I developed a software for vehicle counting on highways based on axle detection. I optimized the recognition of cutting areas in textile machines, reducing the process start-up time from 3 minutes to just 7 seconds. I implemented a system to aid the teaching of contour lines using infrared sensors and RGB cameras.

## Intern at Intelbras

June 2014 – December 2014

At Intelbras, during my internship, I collaborated on the development and revision of the installation manual for the Access Point AP 300 product. Additionally, I performed adjustments and optimizations to the Installation Assistant for the same product, developed in C for automated configurations and with a web interface in HTML, CSS, and JavaScript, aiming to improve user experience.