

# Yan Brasiliano Silva Penalva - Software Engineer

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Software Engineer experienced all system life cycle phases, including production maintenance, new project development, requirements analysis, technical documentation, and version control management.

## Education

Postgraduate Diploma in Solutions Architecture, UNOPAR (2024–2025)

Postgraduate Diploma in Software Architecture, UNOPAR (2024–2025)

Postgraduate Diploma in Software Engineering, UNOPAR (2023–2024)

Bachelor's Degree in Systems Analysis and Development, UNIFACS (2019–2022)

## Technologies

Proficient in GNU/Linux and Windows; version control with Git, GitHub, GitLab; CI/CD using GitLab CI/CD, GitHub Actions, Jenkins; containerization and orchestration with Docker and Kubernetes; automation and infrastructure management using Ansible, Terraform; monitoring with Prometheus, Grafana; front-end development with JavaScript, JQuery, TypeScript, Vue, Quasar Framework, React, Bulma, Bootstrap, SASS, TailwindCSS; back-end development with PHP (Symfony, Lumen, Laravel, CodeIgniter, Octane, Swoole), Python, Node, Typescript, Slim, Shell Script, Unix, Bash; testing with PHPUnit, Jest, PestPHP; database management with MySQL, PostgreSQL, T-SQL, MongoDB, Redis, SQLServer; messaging and system integration using RabbitMQ.

## Achievements

Developer of the InovaSenai-BA finalist project: Armored Software.

SENAI World Speaker: GNU/Linux chat - Introduction and OS installation for beginners.

## Contribution to Open-Source Projects

- [yajira/laravel-acl](#): is a popular Laravel package with over 30,000 downloads on Packagist. It provides a permission-based access control (ACL) system to manage user roles and permissions. I contributed with a bug fix that was merged. See the [PR](#) and the [release](#).

- [Universidade Livre](#): Universidade Livre is an initiative offering a free Computer Science course. I created the basic DevOps curriculum, covering essential practices and tools for automation, continuous integration, continuous delivery, and infrastructure management. See the [DevOps curriculum](#).

## Languages

English: B2 Upper Intermediate.

Portuguese: Native.

## Professional Experience

### Software Engineer(09/2023 - Present)

#### NETRA TECNOLOGIA - UEFS

- Responsible for developing new features in Laravel, Vue, PostgreSQL, and T-SQL, adopting best practices and Clean Code principles.
- Utilized GNU/Linux expertise to improve server solutions and optimize processes, resulting in a 20% increase in server efficiency.
- Actively participated in meetings, dailies, reviews, and pair programming, contributing to the team's continuous improvement and solving daily challenges.
- Experienced with technologies such as PHP, Laravel, Vue.js, SQL, PostgreSQL, REST API, RabbitMQ, Docker, unit testing, Git/Gitlab/Gitflow, CI/CD, and Kubernetes.
- As a DevOps engineer, I was responsible for implementing the entire CI/CD pipeline at UEFS, including configuring and integrating tools like SonarQube for code analysis and quality metrics. Manage DevOps automation and implementations covering automation as the whole and security process, resulting in an 80% increase in development process efficiency. My role includes implementing CI/CD pipelines, continuous monitoring, and improving security practices and code quality.

### Software Engineer(02/2022 - 09/2023)

#### COMPANHIA DE PROCESSAMENTOS DE DADOS DA BAHIA - PRODEB

- Responsible for developing new features and solutions in Laravel, Vue, and PostgreSQL, focusing on Clean Code principles.
- Utilized GNU/Linux expertise to improve server solutions and optimize processes, resulting in a 50% increase in the team's efficiency in dealing with server-related problems.
- Participated in meetings, solved daily challenges, and collaborated through pair programming.

- Also worked as DevOps, being responsible for implementing K8s, Redis, CI/CD tracks, and improvements in development/agile processes.
- Worked with technologies including PHP, Laravel, Vue.js, SQL, PostgreSQL, REST API, RabbitMQ, Docker, unit testing, Git/Gitlab/Gitflow, CI/CD, and Kubernetes.

### **Junior Software Engineer(11/2021 - 02/2022)**

#### **GRUPO RAMIRO CAMPELO - GRC**

- Responsible for developing and improving resources for the group's e-commerce platforms: Lojas Guaibim and Casa Mais Fácil.
- Effectively organized and reduced the number of errors in integrating the purchasing management system with the e-commerce order API, decreasing errors by 25% and focusing on identifying and correcting vulnerabilities.
- Worked with technologies such as PHP, Laravel, JavaScript, T-SQL, Report Builder, Git, and Gitlab.

### **Intern Software Engineer(08/2020 - 11/2021)**

#### **TRIBUNAL REGIONAL DO TRABALHO - 5ª Região**

- Responded to over 50 security incidents and conducted penetration testing, strengthening internal security measures and reducing vulnerabilities by 30%.
- Prepared detailed reports and implemented new security tools, enhancing the organization's security posture and increasing threat detection by 40%.
- First intern in the newly created security incident response sector, contributing to the development and organization of the team.
- Completed a final internship project integrating Openvas with Zabbix using Python, improving asset vulnerability monitoring by 50%.
- Technologies: Python, Shell Script, GNU/Linux, Openvas, Nessus, NMAP, Zabbix, Arachni, Kali Linux.