

# Yan Penalva

## Software Engineer

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### SUMMARY

Software Engineer with 5+ years of experience in backend development, RESTful APIs, and microservices architecture. Specialized in PHP/Laravel ecosystems, Vue.js, and modern DevOps practices. Proven track record in optimizing system performance, implementing CI/CD pipelines with Docker and Kubernetes, and delivering scalable, maintainable solutions. Strong focus on clean code, Agile methodologies, and driving continuous improvement in fast-paced environments.

### SKILLS

**Strong:** PHP, JavaScript, Shell Script, Bash, Laravel, Lumen, Octane, Vue.js, Quasar Framework, Bootstrap, Tailwind CSS, Pest PHP, PHPUnit, Docker, Git, GitHub, GitLab, CI/CD, MySQL, PostgreSQL, Redis, SQL Server, GNU/Linux.

**Working Knowledge:** Python, TypeScript, Symfony, Node.js, React, SASS, Jest, Kubernetes, Prometheus, Grafana, Ansible, T-SQL, MongoDB, RabbitMQ, Windows.

**Familiar:** C, C++, Golang, Hyperf, Swoole, Django, Fast API, Flask, Terraform.

### PROFESSIONAL EXPERIENCE

#### Software Engineer

Netra Tecnologia, Salvador, BR – Remote

Sep/2023 - Present

##### Core Responsibilities:

- Developed and maintained scalable web applications with PostgreSQL using Laravel (PHP) and Vue.js, supporting 5k+ active users.
- Improved API performance by 45% through caching implementation and query optimization.
- Refactored legacy queries and code, reducing technical debt and cutting maintenance time by 30%.
- Optimized GNU/Linux servers with Docker and Kubernetes, boosting system performance by 20%.
- Led CI/CD pipeline implementation (GitLab CI), integrated SonarQube, and automated deployments, improving efficiency by 80%.
- Migrated and normalized university databases, increasing data integrity and query performance by 40%.
- Led server migrations, reducing infrastructure costs and improving uptime.
- Collaborated in Agile (Scrum) teams and pair programming with DevOps and engineering peers.
- Designed and maintained RESTful APIs and introduced microservices patterns to improve scalability and maintainability.

**Key Technologies and Tools:** PHP, Laravel, JavaScript, Vue, GitLab, K8s, Docker, CI/CD, PostgreSQL, T-SQL, DevOps.

#### Software Engineer

PRODEB – Companhia de Processamento de Dados da Bahia, Salvador, BR – Hybrid

Feb/2022 to Sep/2023

##### Core Responsibilities:

- Delivered new features and APIs using Laravel (PHP framework) and Vue.js, integrating PostgreSQL and Redis databases to enhance backend performance.
- Optimized backend performance by leveraging caching and reducing query overhead.
- Diagnosed and resolved infrastructure bottlenecks in GNU/Linux environments, applying Docker containers and Kubernetes clusters for scalable deployments.
- Spearheaded improvements in Agile workflows, optimizing CI/CD pipelines, and implementing Kubernetes-based microservices architecture.
- Built and maintained CI/CD pipelines with GitLab CI.
- Participated in daily Agile ceremonies (Scrum) and cross-team pair programming initiatives to accelerate feature delivery and maintain code quality.
- Implemented and developed RESTful APIs, adopting microservices architecture to scale systems and reduce coupling.

**Key Technologies and Tools:** PHP, Laravel, Octane, JavaScript, Vue, GitLab, K8s, Docker, CI/CD, PostgreSQL, DevOps.

### Junior Software Engineer

Grupo Ramiro Campelo (Lojas Guaibim, Casa Mais Fácil), Salvador, BR – On-site

Nov/2021 to Feb/2022

#### Core Responsibilities:

- Developed and enhanced e-commerce platform integrations.
- Reduced order API failures by 25% through improved purchasing system integration.
- Developed detailed and informative reports using Report Builder.

**Key Technologies and Tools:** PHP, Laravel, JavaScript, T-SQL, GitLab.

### Intern Software Engineer

TRT5 – Tribunal Regional do Trabalho da 5ª Região, Salvador, BR – Remote

Aug/2020 to Nov/2021

#### Core Responsibilities:

- Responded to 50+ security incidents and conducted penetration testing, reducing vulnerabilities by 30%.
- Integrated OpenVAS with Zabbix using Python, enhancing monitoring by 50%.
- Helped establish the new security incident response team.

**Key Technologies and Tools:** Python, OpenVAS, Nmap, Arachni, Information Security Practices.

## EDUCATION

### Postgraduate Diploma in Software Architecture

UNOPAR – Universidade Norte do Paraná, Bahia, Brazil

Mar/2024 to Mar/2025

### Postgraduate Diploma in Solutions Architecture

UNOPAR – Universidade Norte do Paraná, Bahia, Brazil

Jan/2024 to Jan/2025

### Postgraduate Diploma in Software Engineering

UNOPAR – Universidade Norte do Paraná, Bahia, Brazil

Jan/2023 to Jan/2024

### Bachelor's Degree in Systems Analysis and Development

UNIFACS – Universidade Salvador, Bahia, Brazil

Aug/2019 to Dec/2022

## CERTIFICATES/COURSES

NextGen PHP - DifferDev

May/2025

Datadog Foundation - Datadog

April/2025

Scrum Fundamentals Certified - ScrumStudy

November/2024

Clean Architecture and Clean Code Course - branas.io

April/2024

Scrum Foundation Professional Certification - Certiprof

August/2022

B2 Upper Intermediate - EF Language Abroad

January/2022

CC50 Harvard Computer Science Course - Fundação Estudar

December/2021

## LANGUAGES

**Portuguese:** Native

**English:** Full Professional Proficiency