

Yan Penalva

Software Engineer

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SUMMARY

Software Engineer with over 5 years of experience in backend development, cloud infrastructure, and DevOps. Specializing in building scalable systems with Laravel, Vue.js, Docker, and Kubernetes. Committed to clean code, Agile methodologies, and automation to enhance deployment pipelines and system reliability. Strong communicator and problem-solver, focusing on collaboration, leadership, continuous improvement, adaptability, and delivering high-quality solutions in dynamic and fast-paced environments.

SKILLS

Proficient: PHP, JavaScript, Shell Script, Bash, Laravel, Lumen, Octane, Vue.js, Quasar Framework, Bootstrap, TailwindCSS, PestPHP, PHPUnit, Docker, Git, GitHub, GitLab, CI/CD, MySQL, PostgreSQL, Redis, SQL Server, GNU/Linux.

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

Beginner: C, C++, Golang, Hyperf, Django, FastAPI, 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.
- Reduced API response time by applying caching strategies.
- Refactored legacy queries and code, improving performance and maintainability.
- 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.
- Led server migrations, reducing infrastructure costs and improving uptime.
- Collaborated in Agile (Scrum) teams and pair programming with DevOps and engineering peers.

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.
- Reduced API response time by applying caching strategies.
- 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.

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: Professional Working Proficiency