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:
- Built and maintained scalable web applications using Laravel (PHP) and Vue.js, leveraging PostgreSQL databases and optimizing SQL queries in T-SQL.
- Optimized GNU/Linux server infrastructure, implementing Docker containerization and Kubernetes orchestration to enhance system performance by 20%.
- Led the full implementation of CI/CD pipelines (GitLab CI), integrating SonarQube for code quality and automating deployments with Docker, improving deployment efficiency by 80%.
- Led and implemented the migration of projects across servers, resulting in significant resource savings and performance improvements
- Led and implemented the migration and normalization of the university's databases, improving data integrity, scalability, and query efficiency for institutional operations.
- Actively participated in Agile ceremonies (Scrum methodology) and pair programming sessions, collaborating across DevOps and Software Engineering teams.

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.
- 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.
- 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

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