João Pedro Nascimento Silveira

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Profile

DevOps Engineer and Full-Stack Developer with experience in infrastructure automation, observability, and scalable systems development. Skilled with **containers (Docker)**, **Kubernetes orchestration**, and **Nutanix** platforms, supporting high-availability environments. Currently working as a **Junior Full-Stack Developer**, focusing on backend development with **Java** and modern web applications. Experience with **CI/CD**, software engineering best practices, and foundational knowledge in **Terraform (IaC)**. Founder of Ore Software, building SaaS products and mobile applications.

Areas of Specialization

DevOps, Systems Support, CI/CD, Observability, Infrastructure Automation, Containers (Docker), Orchestration (Kubernetes), Infrastructure as Code (Terraform - basic), Nutanix, Web Development, Mobile Development, Software Architecture, RESTful APIs, Next.js, React, Flutter, Fastify, Quarkus, Django, Prisma ORM, MongoDB, PostgreSQL, Data Engineering, Database Modeling, UX/UI, SaaS.

Professional Experience

PD Case, Junior Full-Stack Developer — Porto Velho, Brazil — Feb 2026 – Present

- Developing and maintaining web applications using **Java** on the backend and modern frontend technologies.
- Designing and implementing RESTful APIs following best architectural practices.
- Fixing bugs and delivering incremental improvements to enterprise systems.
- Collaborating with cross-functional teams using agile methodologies (Scrum/Kanban).
- Participating in code reviews and continuous improvement of software quality.

State Department of Finance, DevOps Engineer — Porto Velho, RO — 06/2025 – Present

- Managed infrastructure based on **Nutanix** and **Kubernetes** clusters, ensuring high availability, resilience, and security in mission-critical environments.
- Worked with **Docker containers** for environment standardization and consistent application delivery.
- Built and maintained **CI/CD pipelines** using GitLab CI and ArgoCD, automating build, test, and deployment processes.
- Implemented and maintained **monitoring and observability** solutions with Prometheus, Grafana, Dynatrace, and Zabbix, proactively detecting and resolving incidents.
- Performed provisioning and configuration automation using **Ansible, Rancher**, and **basic knowledge of Terraform (IaC)**.

State Court of Rondônia, Software Development Intern — Porto Velho, RO — 08/2022 – 08/2024

- Developed scalable web applications using Angular on the frontend and Quarkus on the backend.
- Implemented improvements in system design to make the user experience more efficient and accessible.
- Used JWT and OAuth for secure authentication and access control.

Public Defender's Office of Rondônia, Software Development Intern — Porto Velho, RO — 07/2021 – 08/2021

- Optimized database queries using Django, improving performance and reducing response time.

Public Prosecutor's Office, Administrative Intern — Porto Velho, RO — 02/2016 – 03/2017

- Assisted in the preparation of official letters, memorandums, and circulars.
- Delivered documents to the appropriate institutions.

Education

Faculdade Focus, Postgraduate Degree in Data Science | Porto Velho, RO
2025
- Relevant Coursework: Python and SQL Programming, Applied Statistics, Machine Learning, Deep Learning, Data Analysis and Visualization, Data Engineering, Big Data, MLOps.

Federal University of Rondônia, Bachelor's Degree in Computer Science | Porto Velho, RO
2017 – 2024
- Relevant Coursework: Computer Architecture, Learning Algorithms Comparison, Theory of Computation, Software Engineering.
- Applied Research: Development of an application for teaching numerical methods, with a published scientific article detailing its effectiveness in higher education.

Online Courses & Certificates

- Nutanix Enterprise Cloud Administration Training, (2025) - ClearIT
- Nutanix Kubernetes Platform (NKP) Training, (2025) - ClearIT
- Fundamentals of Intelligent Sensing Platforms for Industry, (Aug. 2025) - Virtus
- Ansible for SysAdmin, (Jul. 2025) - Udemy
- Dynatrace Foundations, (Jul. 2025) - Dynatrace
- Networking Fundamentals for DevOps, (Jul. 2025) - Udemy
- Introduction to the Spring Framework with Spring Boot, (Mar. 2025) - DIO
- Java Language Fundamentals, (Feb. 2025) - DIO
- Python Essentials 1, (May 2023) - Cisco Academy
- Fundamentals of Graphic Design, (Apr. 2022) - Fundação Bradesco | Virtual School
- Database Fundamentals, (Oct. 2021) - Oracle Academy
- Networking Fundamentals, (Oct. 2021) - Cisco Academy

Skills

- **Technical Skills:** Docker, Kubernetes, Nutanix, Rancher, ArgoCD, GitLab CI, GitHub Actions, Ansible, AWX, Terraform (basic), Prometheus, Grafana, Dynatrace, Zabbix, AWS, Oracle Cloud, Git, Python, Java, TypeScript, Dart, Kotlin, C#, Angular, Next (React), Flutter, FastAPI, Quarkus, Fastify, Django, VS Code, Postman, Firebase, MongoDB, PostgreSQL
- **Soft Skills:** Teamwork, Clear and assertive communication, Proactivity and initiative in problem solving

Projects

Discord Bot | Project Page
- Developed a bot for use on Discord servers.
- Technologies Used: Python, discord.py, MongoDB.

Zero Math | Project Page
- Developed a mobile application to assist in teaching and learning the topic of the Zero of Functions.
- Technologies Used: Flutter, Dart.

Publications

ZeroMath: An application to assist in teaching and learning the Zero of Functions | 2024
- Keywords: Numerical Methods, Zero of Functions, Educational Application, Interactive Graphs.

Languages

- Portuguese [Native]
- English [Fluent]
- Spanish [Basic]
- Italian [Basic]