João Pedro Nascimento Silveira

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Profile

DevOps Engineer and Full-Stack Developer with experience in **environment support** and automation of infrastructure, observability, and scalable systems development. Experience with **containers (Docker)**, **orchestration (Kubernetes)**, and the **Nutanix** platform, supporting reliability, availability, and security routines. Experience with **CI/CD** and software engineering best practices, with **basic knowledge of Terraform (IaC)**. Founder of Ore Software, working on the development of SaaS solutions and mobile applications. Passionate about data, automation, and building products that generate real impact.

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

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 Kubernetes Platform (NKP) Training, (2025) - Nutanix
- 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]