

# 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

- 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.

Porto Velho, Brazil

Mar 2026 – Present

### State Department of Finance, DevOps Engineer

Porto Velho, RO

Jun/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

Aug/2022 – Aug/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

Jul/2021 – Aug/2021

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

### Public Prosecutor's Office, Administrative Intern

Porto Velho, RO

Feb/2016 – Mar/2017

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

## **Education**

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<b>Faculdade Focus</b> , 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.	

<b>Federal University of Rondônia</b> , 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**

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- 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**

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- **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**

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<b>Discord Bot</b>	<a href="#">Project Page</a>
• Developed a bot for use on Discord servers. • Technologies Used: Python, discord.py, MongoDB.	

<b>Zero Math</b>	<a href="#">Project Page</a>
• Developed a mobile application to assist in teaching and learning the topic of the Zero of Functions. • Technologies Used: Flutter, Dart.	

## **Publications**

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<b>ZeroMath: An application to assist in teaching and learning the Zero of Functions</b>	2024
• Keywords: Numerical Methods, Zero of Functions, Educational Application, Interactive Graphs.	

## **Languages**

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