João Pedro Nascimento Silveira

Developer and Data Scientist

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Profile

Full-Stack Developer with 2 years of experience in Angular, Quarkus, and Flutter. Founder of Ore Software, creating web and mobile solutions. Scientific researcher, passionate about developing scalable applications and enhancing user experience.

Areas of Expertise

Web Development, Mobile Development, Software Architecture, RESTful APIs, Next.js, React, Flutter, Fastify, Quarkus, Django, Prisma ORM, MongoDB, PostgreSQL, Database Design, Full-Stack Programming, Software Engineering, UX/UI Design, SaaS (Software as a Service).

Professional Experience

Systems Development Intern, *(Court of Justice)*   **Porto Velho, RO** *08/2022 - 08/2024*

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

Systems Development Intern, *(Public Defender's Office of Rondônia)*   **Porto Velho, RO** *07/2021 - 08/2021*

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

Online Courses & Certificates

- Introduction to Spring Framework with Spring Boot, (Mar. 2025) - [DIO](#)
- Fundamentals of Java Language, (Feb. 2025) - [DIO](#)
- Code Versioning with Git and Github (Jan. 2025) - [DIO](#)
- Fundamentals of Graphic Design, (Apr. 2022) - [Fundação Bradesco — Virtual School](#)
- Fundamentals of Databases, (Oct. 2021) - [Oracle Academy](#)
- Fundamentals of Networks, (Oct. 2021) - [Cisco Academy](#)

Education

Specialization in Data Science *Faculdade Focus*   **Porto Velho, RO** *2025-2025*

- **Relevant Courses:** Python and SQL Programming, Applied Statistics, Machine Learning, Deep Learning, Data Analysis and Visualization, Data Engineering, Big Data, MLOps.

Bachelor of Computer Science *Federal University of Rondônia*   **Porto Velho, RO** *2017-2024*

- **Relevant Courses:** Computer Architecture, Comparison of Learning Algorithms, Computational Theory, Software Engineering.
- **Applied Research:** Development of an application for teaching numerical methods, with a scientific article published detailing its effectiveness in higher education.

Skills

- **Languages:** Typescript, Python, Java, Kotlin, Dart, C#

- **Technologies:** Angular, Quarkus, React, Flutter, Spring-Boot, Docker, Git

Projects

Discord Bot *Homepage*

- Developed a bot for use on Discord servers.
- **Technologies Used:** Python, discordpy, MongoDB.

Characters Vault *Homepage*

- Developed a mobile application to create, store, and update RPG characters.
- **Technologies Used:** Flutter, Dart, Firebase.

Zero Math *Homepage*

- Developed a mobile application to support the teaching and learning of the Zero of Functions topic.
- **Technologies Used:** Flutter, Dart.

Publications

ZeroMath: An application to aid the teaching and learning of the Zero of Functions *Article*   *2024*

- **Keywords:** Numerical Methods, Zero of Functions, Educational Application, Interactive Graphs.

Languages

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