João Pedro Lourenço David

Contact Information

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- **Location:** São Paulo, SP, Brazil

Skills

- **Java (8–21+):** Spring Boot, Spring Data JPA, Hibernate, Java EE/Jakarta EE, JSF, Maven, and JAX-RS.
- **Databases:** Oracle, Snowflake, SQL, PostgreSQL.
- **Architecture:** Microservices, Monolithic, and Layered Architectures.
- **Frontend:** Angular (21+), TypeScript, Micro Frontends (Native Federation), React.
- **Python:** Pandas, FastAPI, Flask, LangChain, and GenAI.
- **Golang:** Microservices development.
- **BI & Automation:** Power BI, Excel, VBA.
- **AI:** Claude Ecosystem, Codex, and Cursor.
- **Version Control:** Git, GitHub, and GitLab.
- **Methodologies:** Scrum, Kanban.
- **Languages:** Professional English, Basic Spanish, and Fluent Portuguese.

Professional Experience

Cassol Centerlar – *Full-Stack Developer* *May 2025 – Atual*

- Full-stack development on Cassol Centerlar's ERP. I work on both sides of the platform: the legacy Java monolith and the move to a new architecture built on micro-frontends and microservices.
- Legacy ERP (Java EE on WildFly, Oracle):

    - a layered monolith with JSF/PrimeFaces screens, a Business/DAO layer and JPA/Hibernate mappings;
    - a JAX-RS REST API that the new front ends use for login, branches, configuration and contracts;
- New platform (Cassol Hub):
    - Angular 21 micro-frontends (standalone, zoneless, OnPush) joined by Native Federation under a shell that handles login, layout and menus;
    - a shared design system published as an internal npm library for components and auth guards;
    - Identity and access management on Keycloak;
    - Spring Boot microservices taking over modules from the monolith while sharing its Oracle database.
- Spec-driven development with OpenSpec, and AI-assisted coding with Claude Code for planning, implementation and code review, with a QA approval step before every merge.

Ita Calçados – *Full-Stack Developer* *September 2026 – Atual*

- End-to-end development of Ita Calçados' e-commerce platform for clothing and footwear, from architecture to the production launch. It has an async Python/FastAPI backend (SQLAlchemy, Pydantic v2) on PostgreSQL/Supabase, and a React 18 + TypeScript storefront and admin panel.
- Checkout and payments built on the AppMax gateway:
    - credit card with configurable installments, Pix, and antifraud review handling;
    - payment-state rules that keep a customer from being charged twice;
    - atomic stock reservation under concurrent purchases.
- Delivery options: Correios shipping quotes, and in-store pickup scheduling calculated from the store's opening hours and time zone.
- An admin area with access control by module, covering:
    - orders and invoices;
    - a product catalog with images per color;
    - coupons and an influencer program;
    - shipping, checkout and site settings;
    - a sales dashboard.

- Performance and reliability: Redis caching, CDN caching with a purge on every admin save, serverless deployment on Vercel, structured logging, and load tests of the full customer journey.
- Security and compliance:
    - database hardening (Row-Level Security, Data API locked down);
    - versioned privacy-policy consent under the LGPD;
    - every schema change shipped with backup and rollback scripts for production.
    - SEO through server-rendered product pages and a dynamic sitemap.
- Quality assurance with automated tests:
    - Pytest unit tests, plus integration tests against a real PostgreSQL database (about 95% backend coverage);
    - Vitest/MSW for the frontend and Playwright for end-to-end tests.
- Spec-driven development with OpenSpec, and AI-assisted coding with Claude Code for planning, implementation and code review, with a QA approval step before every release.

Cassol Centerlar – *Data Analyst* *April 2023 – May 2025*

- Developed and monitored logistics and delivery cost KPIs using Excel and Power BI, supporting performance analysis and identifying cost reduction opportunities.
- Created and optimized SQL queries to extract and analyze large volumes of data for dashboards and management reports.
- Developed Python automations to validate delivery data and communicate with customers, helping reduce returns and logistics costs.
- Developed a messaging system to send NPS-based customer satisfaction surveys, reaching more than 1,000 customers per day at a low operational cost.
- Developed Excel, VBA, and SQL tools to consolidate data from different platforms and automate operational tasks.
- Supported the onboarding and training of new team members by sharing knowledge of SQL, Excel, business rules, and application development.

Cassol Centerlar – *Logistics Intern* *June 2022 – April 2023*

- Supported logistics operations by assisting with data management and the preparation of initial reports.

- Gained hands-on experience in logistics and transportation data analysis.

Vetto AI – *QA Tester* *March 2026 – June 2026*

- My main responsibilities involve analyzing AI-driven conversations based on predefined personas and contextual scenarios. I evaluate whether the AI responses are accurate, coherent, and aligned with the user's intent, while also assessing the model's ability to correctly interpret and adapt to different personas.

Freelancer – *Developer* *December 2024*

- Developed a web application in Next.js for a client using JavaScript, HTML, and CSS. The project included:
  - Login page with authentication through the client's API, providing secure access to the application.
  - Interactive reporting page where users could view dynamic data in a table retrieved through API requests.
  - Excel export functionality, allowing users to download the data according to their needs.

Education

Bachelor's Degree in Computer Science
University of Southern Santa Catarina
January 2023 – July 2027 (Expected)