

# Curriculum vitae

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## Presentation

I am married, with a daughter who has already graduated in Aeronautical Projects and Structures, I have lived in São José dos Campos since I was two years old and I have been working in the area of technology and information technology for over twenty years. I learned to program independently because in this area I was always able to fit in better and grow my knowledge. In my works, I was always chosen because I have knowledge in business areas in addition to programming knowledge, but today I am finishing in Higher Course in Database Technology at Fatec-São José dos Campos, depending only on the completion of my Graduation Work.

I worked with critical systems with a large volume of data such as Payroll, Human Resources, Electronic Point, Inventory Replacement, Calculation of Commissioning and Traffic Violations, among others, implementing legal requirements and customizations for customers to the systems.

In Payroll and Human Resources systems, I performed the complete architecture and development focused on Databases and performed data migrations in implementation phases. I also exchanged Financial and Accounting Plans in a production system with user pre-validation. These works were done using ANSI standard in a functional way to different databases. I did refactoring in many SQL expressions (DQL) for optimization and viability of routines in Oracle and SQLServer.

I recently worked in Full Stack Web development using Java/JSP doing the development and updating of tables and data in production through DDLs and DMLs, where I applied and consolidated my experience to new knowledge.

I've worked remotely developing and serving clients in different locations across the country.

Thank you for taking the time to read this presentation and I remain at your disposal for future contacts.

## Schooling - Major in Database Technology

- Fatec São José dos Campos - Prof. Jessem Vidal - Data Science (Missing TG planned for Dec/2023)
- Electrical Engineering at Univap (Incomplete - 1990)

## Languages

Portuguese – native (Bons conhecimentos das regras ortográficas, boa leitura e entendimento e boa escrita formal)

English - intermediate (Able to read and write emails and messages and understand sentences with common words)

## Certificates

- ✓ Oracle (2 certificates), Basic Java, Python, HTML5/CSS3 and MongoDB Basics. [See in my repository.](#)
- ✓ LinkedIn Transact-SQL seal.
- ✓ Microsoft Excel LinkedIn Seal

## Development-Specific Knowledge

- ✓ Knowledge of applications with Database (SQLServer, Oracle, MySQL, DB2 and PostgreSQL, using programming standard with simultaneous adherence according to ANSI standard;
- ✓ PLSQL (Packages, Functions and Procedures);
- ✓ Distributed Database (MySQL and Cassandra);
- ✓ Non-Relational Database (MongoDB)
- ✓ Dataware House;
- ✓ SQL Server Business Intelligence Development Studio;
- ✓ JavaScript / TypeScript language
- ✓ JQuery
- ✓ Full Stack development with Java/JSP/JPA/Hibernate/Spring-Boot;
- ✓ VueJs;
- ✓ React;
- ✓ Git versioning (GitHub and GitLab);
- ✓ XBASE Languages (Clipper/XHarbour);

- ✓ VBA-Visual Basic for Applications Language (Excel oriented)
- ✓ Python language;
- ✓ C language;
- ✓ API testing with Postman;
- ✓ JUnit unit tests in Java programs with Eclipse IDE and Visual Studio Code;
- ✓ Cypress Tests
- ✓ Azure | Jira
- ✓ Use of Zendesk for call control;
- ✓ Systems development, logical flow (algorithms), encapsulations and performance;
- ✓ Documents in HTML format;
- ✓ System documentation for users and consultants;
- ✓ Ease with mathematical calculations;
- ✓ Product Owen (Business analysis, legal understandings and customer needs for specification and technical translation).

## Specific Knowledge Other Areas

- ✓ Applications rule by the Consolidation of Labor Laws (CLT);
- ✓ Calculation of purchasing needs for inventory (I created an application with VBA/Excel in the Department of Education of São José dos Campos)
- ✓ Knowledge of school routines (Secretariat use of the SED-System of the Government of SP) ;
- ✓ Commercial system and warehouse for Publishers;
- ✓ Accounting (office);
- ✓ Presentations to support sales.

## Experience

### • FOTOSSENSORES TECNOLOGIA ELETRÔNICA LTDA - 01/2022 to 10/2022 - Junior Programmer

Analysis of business rules and Full-Stack development in applications for municipal service (Bids) with Back-End in Java, VRaptor, Hibernate, iReport and PostgreSQL Database; Front-End in Java Server Pages (JSP), HTML, CSS, JavaScript and JQuery. Preparation of DDLs and DMLs to update the bases in Git production and versioning. Documentation for support team with the changes and new implementations requested. Use of web server Tomcat, some bases running on Docker and work with Windows 10 and Linux Fedora.

### • City Hall of São José dos Campos - 09/2018 to 12/2021 - Assistant Position of Administrative Management

In the purchasing sector of the Department of Education and Citizenship, I worked with analyse of purchasing needs for monthly consumption stock, buildings, bids and Minutes of Price Records. I automated these works by developing an application with VBA/Excel®.

### • Self-Employed Entrepreneur - 08/2011 to 03/2018

Analysis of business rules and requirements and adherence analysis of customer needs to proposed products. Sales and contractual analysis of new customers. Training, service and support to payroll customers. Consulting and development of new legal implementations in the area of Payroll and Human Resources. Consulting and development of new legal implementations such as Dirf, RAIS, Sefip, Caged, eSocial, etc.

Migration and implementation of oracle payroll to SQLServer at Urbam-Urbanizadora Municipal of São José dos Campos.

Conversion of financial and accounting plan to new plans in Global Publisher in SQLServer system.

### • Newage Software S/A - 04/2001 to 07/2011 - Module Leader

Analysis and survey of legal changes and specific business rules for adherence analysis and development in a business system (ERP) for several areas of activities. I worked in the development of Payroll and Human Resources on its own platform that covered Server (Java), Client (in Java, .Net and SilverLight), application in XHarbour by SaaS or application and Database in clients.

I worked in the maintenance and new developments according to the needs of the current legislation, analyzing and validating the peripheral developments, specifying the data model for new resources, guiding the support team when necessary. Documented and generated constant report cards about updates for customers converting to language at the user level. I performed on-site training and presentations in support of the sales sector.

I developed a tool to improve the system update, since the changes were constant and in large volume that involved improving and changing database structures.

- **Humanist Sistemas Ltda - 03/1999 to 03/2001 - Programmer**

Development of Payroll, Human Resources and Electronic Punch Clock system in X-Base graphic environment. I worked on translations and readaptations of DBF base migration to databases.

Development of system update tool.

Support service when needed directly with end user.

- **Horus Informática Ltda - 11/1997 to 03/1999 - Programmer**

Development and maintenance of payroll system, support services and sales support with system presentations.

- **Associação Cultural Recreativa e Esportiva Thermas do Vale Ltda - 12/1994 to 11/1996 - Accounting Assistant**

Accounting analysis and reconciliation. Payroll, tabs and receipts. Development of systems to support the launches and bank reconciliations of sales and maintenance of securities integrating with digital reports of bank losses, using DBASE4, FoxPro and Clipper.

Brazil - São José dos Campos, October 1<sup>th</sup>, 2023

Marcos Vinicio Pereira