Thales Ferreira

Full Stack Data Engineer | Python & ML | DevOps Automation

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SUMMARY

Professional with extensive experience in data analysis, software engineering, and industrial automation. Specialized in Python, Power BI, SQL, Django, NGINX, and DevOps practices, with a focus on process optimization, operational efficiency, and delivering strategic solutions. Proactive with solid leadership capabilities and teamwork skills, seeking to contribute to innovative and challenging projects.

SKILLS & COMPETENCIES

- **Languages & Tools**: C, VBA, Python, Power BI, SQL, Django, Docker, NGINX, Ansible.
- **Software Development**: RESTful APIs, Test-Driven Development (TDD), Process automation.
- **Data Science & Business Intelligence**: Data modeling, Predictive analytics, Interactive dashboard creation.
- **DevOps & Infrastructure**: Containerized application deployment, Docker automation, NGINX server configuration, GitHub Actions.
- **Industrial Automation**: Process control, System integration, Resource optimization.
- **Soft Skills**: Interpersonal communication, Multidisciplinary team leadership, Problem-solving.

PROFESSIONAL EXPERIENCE

OPTIMIZR,

Founder & CEO | **JUN DE 2025 - Present**

- Led IT consulting operations encompassing custom software development, web design, technical support, and data processing.
- Created digital reports integrating quality metrics that significantly elevated production standards.
- Developed advanced Power BI dashboards for trend analysis and executive management support.

- Prepared specialized documents and administrative support services; provided computer training.

CPEL, Pinheiro Preto

Full Stack Data Engineer with Software and DevOps Expertise | **MAY DE 2022 - OCTOBER DE 2025**

- Developed a production control system that optimized operational efficiency and reduced waste.
- Created digital reports integrating quality metrics that significantly increased production standards.
- Implemented analytical processes for monitoring energy generated by the hydroelectric plant, supporting strategic decision-making.
- Developed advanced Power BI dashboards for trend analysis and executive management support.
- Designed integrated management software, optimizing workflows and communication between departments.

CMAQ, Tangará

Administrative Assistant | **JANUARY DE 2022 - APRIL DE 2022**
- Managed inventory and merchandise control, implementing improvements in registration and customer service processes.

TBC NETWORK EIRELI, Videira

Technical Support Technician | **NOVEMBER DE 2018 - FEBRUARY DE 2019**
- Performed maintenance on network equipment and traffic analysis, ensuring efficient infrastructure.

EDUCATION

Instituto Federal Catarinense, Videira

Bachelor's Degree in Computer Science | *In Progress* | **FEBRUARY DE 2021 - Present**

Escola de Educação Básica Mater Salvatoris, Tangará

Technical Diploma in Commerce | **FEBRUARY DE 2011 - DECEMBER DE 2013**

SENAI, Videira

Network Apprentice | **FEBRUARY DE 2013 - DECEMBER DE 2013**
Computer Operator | **FEBRUARY DE 2012 - DECEMBER DE 2012**

COURSES & CERTIFICATIONS

Programming & Software Development
- *Programming: Python (Beginner and Advanced), Object-Oriented Programming, Django REST Framework.*
- Testing: TDD - Unit Testing and Best Practices
- *DevOps: NGINX as Web Server, Reverse Proxy and API Gateway, Performance with HTTPS*

Redhat
- Red Hat Enterprise Linux Automation with Ansible (RH294)
- Red Hat OpenShift Development I- Introduction to Containers with Podman (DO188) (DO188-4.12)

Data Science e Business Intelligence
- *Database Modeling: Logical, Physical Modeling and Normalization.*
- *Advanced Excel & VBA: Task automation, Outlook and Access integration, Dashboard creation.*
- *Power BI: Dashboard creation, Trend analysis, Data treatment.*

Artificial Intelligence
- *GitHub Copilot & ChatGPT: Using AI for software development automation.*
- *Excel with AI: AI application in Excel for process optimization.*

LANGUAGES

English: Intermediate – Technical reading and basic conversation, used for studies and technical documentation consultation.

Spanish: Intermediate – Fluent reading and practical conversation in informal environments.