Darlyn Anderson Vailatti
Senior Software Engineer

`Full-stack` `AWS` `Python` `Java` `Javascript` `Django` `Spring Boot` `React` `Vue` `Agile` `Data Analysis` `Machine Learning`

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Senior oftware engineer with **10+ years of experience** designing and scaling **distributed systems**, with a strong track record in **logistics**, **finance**, and **high-throughput integration platforms**. Skilled in building resilient services, automating workflows, and integrating complex systems. Currently pursuing a **Master's in Software Engineering** with a focus on **Machine Learning** and **Neural Networks**. I thrive on solving real-world challenges with robust, scalable solutions, and enjoy driving innovation within backend and infrastructure teams.

EDUCATION

Master's in Software Engineering ML
Torrens University Australia - SA
2023 - 2025 `Machine Learning` `Data Analysis`

Post-Graduate of Software Engineering
UNISINOS/Porto Alegre-RS-Brazil
2019 - 2021 `Architecture` `Agile`

Bachelor's in Information Systems
UNOESC/Chapecó-SC-Brazil
2014 - 2017 `Computer Science` `Programming Marathon`

PERSONAL PROJECTS

Climbing AR - Gamify indoor climbing 🔗

Software and hardware development of a platform to gamify indoor climbing using machine learning through video capturing.
`Machine Learning` `React` `Python`

SpeedApp - Athletic platform 🔗

Software and Hardware development of a platform for collecting, managing and test sports teams with photoelectric sensors, with Python, Django, and other technologies
`Python` `IoT` `Django`

CERTIFICATION/CONFERENCES

Data Scientist & Machine Learning
Code Academy **07/2024**

Microservices with Spring Cloud
Software Development Conference, **05/2020**

TDC - The Developer's Conference
Florianópolis, SC, Brazil **05/2019**

TDC - The Developer's Conference
Software Development, Porto Alegre, RS, Brazil **05/2016**

APF - Software Analysis Measuarment
Certification, 8 hrs – Fatto Consultoria , EAD. **05/2015**

WORK EXPERIENCE

Full-Stack Software Engineer 11/2020 - Present
Loadsmart Logistics Broker, Remote, US, Illinois, Chicago
4+ years

- Technical research, implementation and evolution of a **high-throughput integration broker platform**, maintaining and scaling a system that processes **7M+ logistics messages** monthly and supports **1500+ active integrations** across carriers, shippers, and partners.
- Built a CLI tool that empowered engineers to define, test and deploy integrations using infrastructure-as-code, significantly improving developer productivity.
- Enabled robust interoperability across **FTP, SFTP, AS2, HTTP** protocols and **X12, XML, JSON, CSV** content types, over RESTful and SOAP channels.
- Improved observability and performance using **Datadog**, **Kubernetes**, and **AWS**, supporting reliable scaling under increasing demand.
- Delivered a **self-service onboarding tool built with React**, enabling non-technical users to configure integrations independently, reducing operational costs and support effort.

Full-Stack Software Engineer 10/2019 - 11/2020
Compass UOL IT Business Project Solutions, Brazil
1.5 year

- Designed and developed integration services around a reward platform used by **100k+ customers**, building and maintaining **30+ system integrations** to extend platform capabilities.
- Implemented solutions using **Spring Boot** within a **microservices architecture**, ensuring scalability, resilience, and independent deployment across **distributed systems**.
- Contributed to front-end functionality using **Vue.js**, enhancing partner and internal user experiences.

Full-Stack Software Engineer 08/2015 - 10/2019
Coop. Agroindustrial Alfa Livestock and Agriculture, Brazil
4 years

- Developed and maintained **JavaEE** applications using **Spring** and **JPA** for **logistics** and **financial** domains, including TMS and ERP systems.
- Built a **centralized logistics platform** managing freight operations for **150+ branches**, achieving a **20% cost reduction** through improved coordination and automation.
- Introduced and implemented CI/CD pipelines, significantly enhancing software delivery speed, reliability, and deployment consistency.

I.T Analyst 08/2013 - 08/2015
Rotesma Pré-fabricados Civil Construction, Brazil
2 years

- Managed a full-scale **ERP system** (HR, Manufacturing, CRM, Accounting), supporting cross-functional business operations.
- Delivered **BI reports using SQL** and iReport, enabling informed decision-making.
- Bridged business and technical teams as a Business Analyst, and oversaw local **IT infrastructure**.
- **Implemented an industrial tracking system** to monitor production flow with precision, boosting operational efficiency.