

Mauro Ost

Software Engineer II | Backend Engineer | Go, SQL & API Development | Cloud, Data Integration & Automation

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Summary

Backend Software Engineer with **3+ years** of experience in building scalable APIs and automation tools using **Go, BizTalk, and SQL**. Spearheaded development of data pipelines and internal tools that reduced manual processing times by over 90%, accelerating business-critical operations across ERP and Salesforce platforms. Skilled in designing reliable and scalable backend systems in high-volume environments, improving developer productivity and system observability.

Experience

Software Development Engineer II

WEX Brazil Tech | Brazil (Remote)

08/2025 – Present

Working on backend systems and data integration solutions, focusing on automation, internal tooling, and improving developer productivity across integration platforms.

- Designed and implemented data integration pipelines using SSIS, SSRS, and BizTalk, enhancing reporting accuracy and reducing data-processing time.
- Developed a **Go-based** DSL testing platform, reducing manual testing from hours to seconds of execution, with a VSCode extension for improved developer experience (syntax + semantic highlighting).
- Built internal dashboards integrating Oracle Service Cloud + Jira, improving tracking and response visibility.
- Developed **internal tooling** in **Go** and **Python** to improve team productivity and reliability.

Data Integration Engineer

Mercanet | Brazil (Remote)

10/2023 – 07/2025

Focused on large-scale system integrations between ERP and Salesforce, ensuring high-volume data consistency and reliability across business-critical operations.

- Designed and implemented bidirectional ERP ↔ Salesforce integrations.
- Processed tens of thousands of daily orders across multiple clients.
- Built data pipelines using **T-SQL**, **PL/SQL**, and **C#**.
- Implemented order-splitting logic for logistics optimization.
- Developed real-time inventory validation systems within Salesforce

Network Engineer

Assertec Services and Solutions | Feliz, Brazil

12/2022 – 09/2023

Worked on infrastructure, monitoring, and network reliability, building observability tools and managing distributed client environments.

- Built monitoring system using **Go**, **Prometheus**, **Grafana**
- Integrated with MikroTik & Ubiquiti **APIs** for network observability
- Improved uptime through proactive issue detection and alerting systems
- Managed infrastructure for 200+ network devices
- Maintained Linux servers and containerized internal tools

IT Technician

Feliz Town Hall | Feliz, Brazil

01/2018 – 08/2018

Provided IT support and infrastructure management across public institutions, ensuring system reliability and secure network access.

- Managed IT infrastructure across public institutions
- Implemented network security (DNS + firewall rules)
- Maintained and repaired hundreds of machines
- Supported city-wide network infrastructure

Featured Project

GTTracker.com

Designed and built a production-oriented IoT monitoring platform composed of an Elixir REST API and a Next.js frontend for web and mobile(Android).

Implemented secure user/device JWT flows, partner-driven device adoption with template/version management, and high-throughput typed time-series ingestion with token-driven throttling and priority event paths.

Built cross-service ACL and alert pipelines covering business, zone, and device scopes, including notification workflows and device activity tracking.

Deployed with GitOps on Kubernetes using ArgoCD, Traefik, cert-manager, CloudNativePG/PostgreSQL, ScyllaDB, Redis, SealedSecrets, and restrictive network policies, with CI/CD automating per-service image versioning and manifest updates, builds executed and stored with Forgejo Runners and container registry.

Education

Technical Degree in Information Technology – IFRS Campus Feliz – Brazil (2016 - 2019)

Languages

English: Bilingual / Professional Proficiency

Portuguese: Native

Skills

Programming Languages:

Go (Golang), Python, C#, SQL, Rust

Backend & APIs:

REST APIs, Backend Development, System Integration

Data & ETL:

SSIS, BizTalk, PySpark

DevOps & Tools:

Docker, Git, CI/CD, Linux

Monitoring:

Prometheus, Grafana