Andrea Zucchini

Senior GoLang Engineer | **Cloud-Native** | **Distributed Systems** | **Kubernetes** | **AWS/GCP** | **CI/CD**

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Professional Summary

Innovative and impact-driven Senior Backend Engineer with 10+ years of experience, specializing in GoLang, JavaScript, cloud-native platforms, and distributed systems. Versatile in working across the stack, with a strong ability to understand and architect end-to-end solutions. Proven ability to design, build, and scale multi-cloud services and AI infrastructure. Passionate about developer productivity, clean architecture, and enabling high-performing engineering teams through automation and mentorship.

Core Skills & Technologies

- **Languages**: Go, JavaScript, Node.js
- **Cloud & DevOps**: Kubernetes, Docker, AWS, GCP, GitLab CI/CD, Terraform
- **Architecture**: Microservices, Domain-Driven Design, Clean Architecture, Event-Driven Systems
- **Data & Messaging**: MySQL, MongoDB, RabbitMQ, Prometheus, Grafana, EFK Stack
- **Frontend** (Secondary): JavaScript, Vue.js, Vuex

Professional Experience

VMware – Senior GoLang Developer *(Remote)*

Apr 2022 – Present | Cork, Ireland

- *Cloud Service Broker & Multi-Cloud Enablement*
  - Contributed to the **Cloud Service Broker** (CSB) core powering **VMware Tanzu Application Service,** enabling cloud-agnostic provisioning of AWS, Azure, and GCP services via the OSB API.
  - Developed Terraform-based provisioning flows for RDS, Redis, Object Storage, Aurora, S3, SQS, and Google Cloud SQL.
  - Core developer transitioning CSB from Cloud Foundry app-based deployment to a virtual-machine-based architecture supporting zero-downtime rollouts, horizontal scaling, and isolated VM lifecycles for improved reliability and operational flexibility.
- *AI Infrastructure & Large Language Models (LLMs)*
  - Core developer for **GenAI infrastructure** integration, enabling model providers such as **Ollama** and **vLLM** for serving LLMs on Cloud Foundry.
  - Delivered GPU- and CPU-based model inference support with air-gapped and cost-efficient deployment options.

Trustap – GoLang Developer *(Remote)*

Aug 2021 – Apr 2022 | Cork, Ireland

- Designed and scaled **Go-based microservices** for a **secure escrow transaction platform** built on AWS.
- Managed integrations with Stripe, logistics APIs, and mailing systems.
- Built and maintained public REST APIs with versioning and backwards compatibility.

Servinform – GoLang Developer *(Remote)*

Jan 2018 – Aug 2021 | Spain

- **Led backend** development of a distributed system for **real estate asset tracking** and logistics, specifically focused on managing and coordinating the flow of key-ring assets across users and storage facilities.
- Architected services with **Go**, **Node.js**, PHP, **RabbitMQ**, Kubernetes, and Vue.js, using MongoDB and MySQL as data stores. Monitored the system with Prometheus, Grafana, and the EFK stack for centralized log aggregation and observability.

Open Source & Projects

- Cloud Foundry - Main Contributor:
    - [cloud-service-broker](#)
    - [csb-brokerpak-aws](#)
    - [terraform-provider-csbsqlserver](#)
- My own clean architecture and distributed systems experiments:
    - [Clean Architecture](#) - GoLang
    - [Distributed Systems](#) - GoLang
    - [AI Agent App](#) - JavaScript

Education

- **Certificate of Higher Education, Web Applications Development** – I.E.S Mar de Cádiz, Spain, 2014 **Graduated with Honors Distinction**
- **Certificate of Higher Education, Admin. of Networked Info Systems** – I.E.S Mar de Cádiz, Spain, 2012 **Graduated with Honors Distinction**

Languages

English (Fluent), Spanish (Native)