

Rian Barriga

Golang Backend Engineer | Applied AI Engineer

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Summary

Software engineer focused on Go, applied AI, and infrastructure. I build reliable backend systems, AI applications, and production workloads that need to execute and scale.

Work Experience

Golang Developer

Feb 2026

SAMASU DIGITAL | *London Area, United Kingdom*

Building an AI Workforce Operating System that enables companies to deploy, manage, coordinate, and govern teams of AI agents in production.

- Develop production backend services and platform infrastructure using Go (Golang), PostgreSQL, Docker, and Kubernetes.
- Build core infrastructure for AI agent execution, orchestration, lifecycle management, tool integration, and governance.
- Integrate and work with LLM APIs to power agent reasoning, task execution, model interactions, and AI-driven workflows.
- Implement agent capabilities using Model Context Protocol (MCP), enabling AI agents to interact with external tools, services, and data sources.
- Develop an agent skills system that gives agents reusable capabilities and structured workflows for executing tasks.
- Work on the agent execution harness, providing the runtime and control layer required to reliably execute agent tasks and tool calls.
- Design backend APIs and services for deploying, configuring, managing, and monitoring AI agent workloads.
- Build persistent data and state-management workflows using PostgreSQL, supporting agent configuration, execution state, and platform operations.
- Containerize services with Docker and contribute to Kubernetes-based deployment and orchestration for scalable AI workloads.
- Work across the AI platform stack, from agent runtime and tool execution to persistence, infrastructure, APIs, and LLM integrations.

Full Stack Developer

Nov 2024 – Jan 2026

DOMAI.IO

Built and scaled Domai.io, a high-performance SaaS platform for AI-powered domain tools. Integrated a fine-tuned Gemini model via Google Cloud Vertex AI for real-time domain insights. Developed core features including AI domain generator, sales analyzer, lead finder, typo/lookalike checker, and domain history tracker. Engineered a responsive, mobile-first front-end with advanced SEO, achieving 90+ Lighthouse Core Web Vitals.

Data Engineer

Aug 2025 – Dec 2025

DOTPH | Pasay, National Capital Region, Philippines

Developed a RAG chatbot enabling team members to query internal documentation conversationally. Built end-to-end pipelines to ingest, preprocess, and vectorize Zendesk tickets, storing embeddings in ChromaDB for fast retrieval. Integrated multiple LLM providers (Groq, Vertex AI, OpenAI) and deployed GPU-accelerated inference on AWS EC2, optimizing for performance and cost. Designed backend services with FastAPI to manage data workflows and serve the RAG system.

Full Stack Developer

Apr 2023 – Aug 2024

DOST-PCAARD | Cebu, Central Visayas, Philippines

Built a full-stack system for DNA barcoding and species observation using Django and Flutter. Designed the backend to handle high-throughput species data and REST APIs for seamless mobile-web communication. Developed offline-capable Flutter apps for field researchers, integrating real-time sync and data caching to support scalable scientific workflows and future AI applications.

Web Developer

Feb 2022 – Dec 2023

GLOBAL E-LIBRARY RESOURCES GROUP INC | Quezon City, National Capital Region, Philippines

Built modular and secure Django systems that handled complex business logic and workflows. Collaborated closely with frontend developers to provide seamless API consumption and a consistent user experience. Improved system performance and reliability through query optimization, caching, and structured error handling.

Full Stack Developer

Dec 2020 – Feb 2022

FREELANCE | Cebu, Philippines

Built and delivered custom web and mobile applications for clients, handling full-stack development using Django, React, and Flutter. Designed responsive user interfaces, implemented backend APIs, and ensured seamless integration across platforms.

Skills

Full-Stack Development, API Integration, CI/CD Implementation, Golang, Python, Django, AWS, Docker, Kubernetes

Education

CEBU TECHNOLOGICAL UNIVERSITY MAIN CAMPUS

2018 – Jan 2021

Information Technology Bachelor of Science (BS)

Projects

Open Source Maintainer

Tukma

A Go-native execution and coordination platform focused on the hard parts of reliable workload execution. Built as a long-term systems engineering project with a modular internal architecture and a growing testable foundation.

Open Source Maintainer

django-rustfs

Django storage backend for RustFS, the S3-compatible object storage server. Provides clean Django configuration, storage backends, bucket initialization, health checks, static file support, presigned uploads, and object metadata helpers.

Open Source Maintainer

Modern Django Starter

A CLI tool for generating modern Django 6.1 projects with HTMX, AlpineJS, Docker, and more.
