



ERIC FRENEK LOPEZ ROSALES

Software Developer Trainee | Golang

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🐙 GitHub: <https://github.com/FrenekLopez>

Professional Summary

Highly motivated Software Engineer in the final stages of university education, specializing in backend software development and cloud architecture leveraging Go (Golang). Possesses solid foundational knowledge in web services creation, containerization, and cloud infrastructure automation. Demonstrated logical thinking, strong problem-solving capabilities, and a collaborative team mindset. Actively seeking an entry-level Go / Cloud Junior Developer position to contribute value and help build scalable, efficient solutions.

Technical Skills

- Programming Languages: Go (Golang)
- Backend Frameworks: Gin Web Framework
- Cloud & DevOps: AWS CloudFormation, Docker, Docker Compose
- APIs & Integration: Postman (REST API Testing and Documentation)
- Version Control: Git, GitHub

Software Projects

REST API Architecture & Cloud Deployment | GitHub Repository

<https://github.com/llmarLopez/umami-cloud-go>

- Spearheaded the architecture design and infrastructure development of a backend REST API built with Go (Gin).
- Engineered automated provisioning workflows on AWS utilizing Infrastructure as Code (IaC) principles with CloudFormation.
- Orchestrated CI/CD pipelines through GitHub Actions and optimized application performance using Docker containerization.
- Designed, validated, and documented robust, scalable endpoints using Postman to ensure seamless API integration.

Software Projects

Forms Nexus Service (Serverless API & Router) | GitHub Repository

<https://github.com/FrenekLopez/forms-nexus-svc.git>

- Engineered and developed Forms Nexus Service, a high-performance serverless API built with Go (Golang) designed to operate as an asynchronous notification router.
- Programmed the entire cloud infrastructure via Infrastructure as Code (IaC) using AWS CDK v2, successfully deploying AWS Lambda (ARM64), Amazon API Gateway, and Amazon DynamoDB.
- Applied advanced software design patterns (polymorphism and interfaces) to guarantee seamless scalability across multiple alerting channels, integrating Telegram Bot API and Amazon SES.
- Configured automated local environment variables and secure IAM roles to enable zero-touch, reproducible, and secure cloud deployments.

Additional Code Repositories

You can find more of my backend projects, cloud architectures, and open-source contributions directly on my profile: <https://github.com/FrenekLopez>

Education

- Ingeniería en Sistemas Computacionales | Universidad UTEL
In progress / Final phase of degree completion (2026)
- Técnico en Computación | CECYTE
Graduated (2010 – 2014)