

# Gylmar Alexander Moreno

Southern California | (323) 868-6980 | gylmar.a.moreno@gmail.com

**OBJECTIVE** Produce algorithms and code that elegantly manage a large scale production system.

## PROJECT EXPERIENCE

### **SPAWAR/SAIC - Deployment Process Engineering**

**2017-2018**

Virtualize	Using VMWare to launch minimal RedHat instances in a local lab network Reducing the service deployment process and preserving software architecture
Network	Designed a layer 3 dynamic network configuration for proxies to route to new instances Configured application firewalls for increased network security Isolated service testing done by splicing local services into a functioning network
Scale	Wrote reusable and extendable deployment scripts in Ansible Designed with production and development environments in mind

### **Wotio - ETL Pipeline**

**2017**

Ingestion	Built Python service to consume data from Wotio API and push to a Kafka topic Built Python service to consume data from Kafka topic and store to Postgres database
Schemas	Parameterized schema to filter relevant subset of 100+ Wotio data parameters Postgres schema easily extendable using Alembic library in Python
Deploy	Kubernetes deployment of Docker images for each component of the pipeline
Testing	Built NodeJS service to generate test data using client-provided JSON schema

### **RetailOps - Full Stack Development**

**2014-2016**

Javascript	Wrote NodeJS proxy media server to reduce media traffic directed at main servers Front-end application developed in ExtJS, a Javascript framework
Backend	Extended backend API using custom (undocumented) Perl library Design and extension of ORM models for use in application business logic Expanding Elasticsearch results to improve client search data exports
Data	Creation and extension of MySQL schemas used by backend code and client reports Wrote powerful macros and regular expressions to munge client data Developed client implementation process for catalog data conversion

## SKILLS

Personal	Autonomous and collaborative • High and low level perspective • Unix command line master
Technical	Linux • GIT • VIM • TMUX • VMWare/VirtualBox • Kubernetes/Docker
Logical	Algorithm Design • Numerical Analysis • Machine Learning • Data Visualization

## EDUCATION

University of California, San Diego	B.S. Computer Science - Mathematics
Class of 2013 - GPA 3.211	B.S. Cognitive Science (Computation Specialization)

**EXTRACURRICULAR** - Sailboat Cruising | Latin Dancing | Landscape & Portrait Photography