Gylmar Alexander Moreno

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OBJECTIVE Design and implement systems of distributed application components.

PROJECT EXPERIENCE

Amazon.com - Whole Foods Restock Program

Application	Wrote a Javascript webapp for Store Associates to replenish store inventory daily
	Wrote backend service integrations with complex dependencies across multiple teams
	Enforced smooth rollouts system-wide through feature flags and code pipelines
	Maintained proper product visibility through meticulous app business metrics
Scaling	Launched pilot app in 10 stores, scaled out to over 500 stores nationwide
	Scaled backend processes to handle millions of item events daily
	Value Add: $40M/yr in savings for improved store operations
Leadership	Designed multiple end-to-end solutions to guide team-wide implementations
	Mentored teammates in application extensions for new features and UX improvements
	Lead teammates in writing backend extensions to add features and scale customer actions

SPAWAR/SAIC - Deployment Process Engineering

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

Tureus - ETL Pipeline

Ingestion	Built Python service to consume data from private 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+ 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 - **Applications Developer**

ETL	Implemented data pipeline from live RabbitMQ events to MongoDB
	Implemented data pipeline from a private API with multi-source data to MySQL
Backend	Extended backend API using custom Perl library
	Expanding Elasticsearch results to improve client search data exports
	Wrote NodeJS proxy media server to reduce media traffic directed at main servers
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 • Command line master
AWS Cloud	Amazon EC2 • Fargate • Lambda • DynamoDB • Redshift • Route 53
	Cloudwatch Logs • Cloudwatch Metrics • Cloudwatch Dashboards
	Virtual Private Cloud (VPC) • Simple Work Flows (SWF) • AWS CDK Infrastructure Library
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
	B.S. Cognitive Science (specialization in ML Computation)

EXTRACURRICULAR - Sailboat Cruising │ Latin Dancing │ Landscape & Portrait Photography