Luis Diaz

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Methodic and proactive professional delivering secure and performant software and cloud platform solutions, including automation, monitoring, and documentation to increase reliability, and improve team productivity.

SKILLS

Programming: Rust, Golang, Python, JavaScript, Typescript, SQL (Postgres, MySQL, MariaDB), Bash, Zsh.
Libraries/Frameworks: Kubernetes, Docker, Ansible, Terraform, AWS-cli, NodeJS, Matplotlib, Numpy, Vim.
Clouds: AWS, GCP, IBM, DigitalOcean **Operating Systems**: Linux (Red Hat, Debian), Windows, MacOS.
Miscellaneous: Virtualization, Vagrant, Netdata, Prometheus, YAML, OpenAPI / Swagger, Regex, OpenSSL.

EXPERIENCE

Cloud Software Engineer, Devo - Madrid, Spain 2018 – 2023

Devo builds a big data collection/analysis platform. Performed Linux systems administration at scale (hybrid cloud/on-prem), deployment automation, DevOps, infrastructure as code (IaC), observability, and alerting.

- Developed Python automated log deletion library, configurable using YAML files in Glob patterns table granularity, error handling, and buffered logging to custom Syslog server. Support of ISO8601 datetime.
- Maintenance and use of development delivery tooling: Gitlab CI, Jenkins, Nexus, GitHub Actions.
- Automated, scripted, and documented deployment/maintenance of cloud services (AWS CLI, GCloud).
- Containerization and integration of applications by using Docker/Podman and Docker Compose.
- MySQL database administration using idempotent transactional SQL scripts.

IT Operations Manager, Qualia Analytics LLC - Warwick, United Kingdom/Arcata, California (remote) 2016 – 2018

Qualia Analytics builds an online survey design framework for performance evaluation & market research.

- DevOps, web dev, and email strategy for survey evaluation of zoos, universities & museums worldwide.

Data Analyst (freelance) - Caracas, Venezuela (remote) 2015 – 2016

EDUCATION

Chemical Engineering, Simón Bolivar University - Caracas, Venezuela (2015)

CERTIFICATES

LPIC-1 (LPI 2024), **Security+** (2024), **Network+** (2024), **AWS Cloud Practitioner** (2024), **KCNA** (CNCF 2024)

COURSES AND CONTINUOUS EDUCATION

Off-work hours I study DevOps books, and courses from A Cloud Guru, O'Reilly, KodeKloud, Udemy, Newline.

Learn Jenkins by Doing — Linux Academy (2021)

Learn AWS by Doing — A Cloud Guru (2023-2024)

PROJECTS

- CLI application and library for the generation of Unique Sequence IDs. Inspired by Twitter's Snowflake. Fully customizable length for bits and timestamp. Built on Rust (git code repository) / Kotlin (code repo).
- HTTP Golang server for in-memory cache and key-value pair persistence, using concurrent map (repo).
- HTTP Rust server for email newsletter subscriptions, on Actix, Postgres, and SMTP protocol. (repo).
- CLI application for graphing generated ASCII charts of the distribution of final digit of Benford's Law random data samples. Built with Typescript (code repo) and Rust (code repo / crates.io 5000+)
- GraphQL and MongoDB client/server for e-store listings, using Typescript (server code repo/client repo)