Martín Montes Pérez

Senior Software Engineer

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About me

Experienced software engineer with a demonstrated history of working in worldwide impact projects and products.

I am very enthusiastic about my work and always motivated to take new challenges, specially when it comes to use cutting edge technologies to solve real world problems. Also eager to learn everyday and collaborate with others.

My area of expertise is **Kubernetes** and **Go**, where I invest a considerable amount of my time. I am currently engaged in the development of my independent open-source projects, such as **mariadb-operator**, and occasionally contribute to various Kubernetes ecosystem projects, including cert-manager.

Currently, I am working as a senior software enginer in a London scaleup company called **Form3**. We are building a multi-cloud platform on top of Kubernetes for processing payments in the three major cloud providers.

Experience

Senior Software Engineer (Remote)   Oct 2021 - Present

Form3

As a member of the multi-cloud platform team, I took part in building a payments platform that run in multiple Kubernetes clusters in different cloud providers.

- AWS. GCP. Azure
- Kubernetes. Managed and Bare Metal
- Go
- GitOps. FluxCD
- Vault. Cert-Manager
- Terraform
- CockroachDB
- NATS
- Cilium
- Prometheus. Grafana. Fluentd

Senior Software Engineer (Remote)   Jan 2021 - Oct 2021

Atani

As a member of the real time team, I participated in the development of cloud native microservices for processing real time cryptocurrency data.

- Go
- NodeJS
- REST. RPC. Websockets. GraphQL
- NATS
- Event-driven architecture. CQRS
- Redis. ETCD. MongoDB
- PostgreSQL. ClickHouse
- Docker. Kubernetes. Helm
- Prometheus. Grafana. Elastic stack
- Azure

Skills

Kubernetes

Go

Platform Engineering

Cloud Computing

Databases

Distributed Systems

Software Architecture

Languages

English (Professional working proficiency)
Spanish (Native)
Galician (Native)

Certifications

Certified Kubernetes Administrator -
LF-5u8pn35qcp

Certified Kubernetes Application Developer - LF-oeaix9dx1r

Erlang Foundation Certificate -
ESL20130909-01

Certificate in Advanced English -
A4557432

Senior Software Engineer (Remote)   Jul 2018 - Jan 2021

Nomasystems S.L.

Backend development for a worldwide impact retailer company.

- NodeJS
- REST. GraphQL
- ActiveMQ
- MariaDB. CouchBase
- Docker. Openshift
- Prometheus. Grafana. Graylog

Software Engineer   Jun 2016 - Jul 2018

Nomasystems S.L.

Development of iOS eCommerce apps for a worldwide scale retailer company.

- Swift. Objective-C
- XCode

Software Engineer   Jul 2014 - Jun 2016

ITG Instituto Tecnológico de Galicia

Javascript development of projects from the tourism field.

- NodeJS
- MongoDB. PostgreSQL
- BackboneJS

Trainee   Oct 2013 - Jul 2014

ITG Instituto Tecnológico de Galicia

Javascript development of projects from the industry field.

- NodeJS
- MongoDB
- AngularJS

Education

Master's degree in Computer Science   2014 - 2016

Universidade de A Coruña

Bachelor's degree in Computer Science   2009 - 2014

Universidade de A Coruña

Publications

- Run and operate MariaDB in Kubernetes with mariadb-operator, MariaDB Foundation, Jul 2023
  Securely Ingressing into Bare Metal Kubernetes Clusters with Gateway API and Tailscale, ITNEXT, Dec 2022
- Building a Highly Available Kubernetes Operator Using Golang, Better Programming, Aug 2021
- CI/CD for a Multi-Arch Golang Application Using GitHub Actions, Helm and Kubernetes, ITNEXT, Apr 2021
- 3 Concurrent Patterns Used in Golang, Better Programming, Dec 2020
- Deploying a Microservice-Oriented Application to Kubernetes, from Zero to Production, ITNEXT, May 2020
- Real-Time Sensor Data Visualisation Using ReactJS, NodeJS, Socketio and Raspberry Pi, ITNEXT, Mar 2020
- Building an In-Memory Index with JavaScript, ITNEXT, Feb 2020