

Carlos Eduardo Campo Muelas

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Profile

Physical engineer by profession, passionate about software development, with great technical skills, adaptability to change, and teamwork. I have experience in new industry trends such as the cloud, micro services architecture and containers. Among my technical strengths, is the knowledge in development with the Spring boot framework, deploying the solutions in dockers to guarantee high portability, stability and standardization. I have experience in managing AWS services such as: ECS, ECR, Secrets, Parameters store, RDS, Elasticache, S3, Cloudfront, Lambda, Ec2, Cloudwatch and ELK, and equivalent services in google cloud platform. Always keeping in mind the secure development of applications for financial sector.

Background

Desarrollador Full Stack (Java + React + Angular)

Blackboard Sucursal Colombia Remoto December -2021 – On Going

- Java backend developer with spring framework to create new REST API and maintain the legacy monolith application
- create frontend developments: React or Angular based according to the specifications

Software Architect

Valid Sucursal Colombia Bogotá DC January-2021 – December 2021

- Keep up to date the base software architecture for Android, iOS and backend that is efficient in terms of performance, modularity and security, according to the latest market frameworks that apply to Valid solutions.
- Support the development teams of each project to design the modules that can be reused, orienting them so that they remain as modules / product repositories.
- Keep updated and share the inventory of modules developed to guarantee their reuse.
- Audit ongoing projects to ensure that developments are in accordance with the proposed definition of architecture and flows.

Backend Senior Java

Valid Sucursal Colombia Bogotá DC February-2020 - January 2021

- Management of services in AWS, EC2 instances, security groups, rds, elasticache, S3, lambda and cloudfront. and equivalents in google cloud platform. Experience in deployment of websites in S3 orchestrated in cloudfront and rules implemented in serverless services (Lambda), maintenance control of EC2 instances connected to RDS, elasticache, creation of docker in ECR and deployment in ECS and other AWS services.
- Java backend developer with spring framework under micro-services architecture. Experience in REST APIs for implementations of secure online payment services and banking inquiries.
- Knowledge in automation of deployments using dockers, Continuous integration using Jenkins and sonar to guarantee excellence in code.

Backend Junior Java

Valid Sucursal Colombia Bogotá DC Febrero-2019 -
Actualmente

- Java backend developer with spring framework under micro-services architecture. Experience in REST APIs for implementations of secure online payment services and banking inquiries.
- Knowledge in automation of deployments using dockers, Continuous integration using Jenkins and sonar to guarantee excellence in code

Backend Trainee Java

Adecco Bogotá DC
March-2018 - February-2019

- Management of apache servers, nginx for Mutual TLS security control, internal proxies, and internal balancers.
- Intermediate knowledge in GNU bash, in Ubuntu systems. Experience in handling simple scripts, debugging, crontab, systemctl, logrotate, among others.
- Junior backend developer in java using spring framework under micro services architecture. Experience in REST APIs for implementations of secure online payment services and banking inquiries.

Desarrollador Full Stack

Independetnt Project popayán-Cauca November-2017 - March-2018

- Web application design using python and django as framework, experience with web application design for real-time monitoring (websocket communication) of rivers and meteorological stations, for the implementation of an early warning system.
- Basic management of postgres databases, experience maintaining telemetry databases.

Contratista Desarrollador

Federman Telecomunicaciones
Popayán-Cauca
Diciembre-2017 – Marzo-2018

- Design of Visualization Software in Raspberry-Pi device for monitoring of meteorological stations and scope points along rivers with possibilities of overflow.

Desarrollador Junior python y qt

Empresa: JPT Consulting & Services
Popayán-Cauca
Diciembre-2015 - Noviembre-2017

- digital video processing using OpenCV and python, to characterization, segmentation and quantification of objects in images. Experience in developing an algorithm to analyze the drilling status of a well by taking a video stream of the stone cuttings made by the drill.
- Modeling of physical systems, combining knowledge in physics, statistical and machine learning techniques using python as programming language with Scipy and sklearn libraries. Experience designing thermal model in a multi-phase liquid. monitoring temperature and high pressures.
- Development of multiplatform applications in Qt language (based on C + +), experience in telemetry applications for oil wells and monitoring of rivers and meteorological stations with single board computers (Raspberry, BeagleBone, Odroid). Radio communication between devices under modbus protocol for telemetry, experience designing small communication networks between devices with radio peripherals.

- Management of communication protocols as sockets and websockets, to communication between local information centers and servers in the cloud. Experience designing servers and clients for centralization of information.

Grades

Physic Engineer

Universidad del Cauca Popayán-Cauca 2017

Physical Engineer Degree, Thesis: Benchmark of measurement of Methods Used for Digital Classification of Low Contrast Objects for JPT C&S Company

Knowledge and frameworks

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|------------|--------------------|--------------|
| - C | - Django | - sql |
| - C++ | - Java | - Javascript |
| - Qt | - kotlin | - dockers |
| - Matlab | - Linux Shell Bash | - React |
| - Simulink | - Spring Boot | - Angular |
| - LabView | - SpringCloud | - Redux |
| - Python | - Spring security | |
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Skills

- Development of secure applications based on spring framework oriented to micro-services.
- Python management with django, opencv, scipy, sklearn. . Handling applications with UI using Qt
- Management of a good portion of AWS services and GCP, Management of continuous deployment technologies, dockers. Management of Jenkins and Sonar continuous integration technologies.
- Management of secure protocols in transactions, Knowledge of bash GNU linux, Management of socket technology, websocket, Management of modbus protocols. Postgres intermediate management.
- Management in continuous deployment technologies, dockers. Management of Jenkins and Sonar continuous integration technologies.
- Quick learning in new technologies.
- Self-management, tasks and times.
- Responsible.
- Strong knowledge in physics and mathematics
- Knowledge in frontend frameworks (React / Angular)

Language

- Ingles(B2)

References

Diego Mauricio Nieto

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