

# CESAR ANDRES CASANOVA BUSTAMANTE

## SYSTEMS ENGINEER

**Date and place of birth:** 23/04/1992 – Lima, Perú

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I am a highly skilled and experienced Backend Developer with 10 years of experience in PHP, Python, and Java. I have a strong passion for building efficient and scalable solutions. I am excited to apply for the DevOps and Cloud role at your company. With 5 years of experience in deploying solutions on Amazon Web Services using automated CD/CI pipelines, I believe I would be a valuable asset to your team. I am eager to contribute my expertise and help drive the success of your company's cloud infrastructure

## EDUCATION

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2024 - present

**Master in Artificial Intelligence and Innovation Management**

Bologna Business School, University of Bologna, Bologna, Italy

2009 - 2014

**Master degree in System Engineering**

Universidad Nacional Pedro Ruiz Gallo, Lambayeque, Perú

Thesis: "Implementation of a system based on BPM and SOA technologies to manage restaurant warehouses"

<https://repositorio.unprg.edu.pe/handle/20.500.12893/4452>

## WORK EXPERIENCE

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03/2024 – 11/2024

**DevOps Engineer**

OutCode Software | Lima, Perú

Development of strategies for the deployment of distributed applications and microservices in the AWS and GCP clouds.

The main application uses a bot in our phone call reservation system, which is an OpenAI model that is used for voice processing.

06/2023 – 02/2024

**AWS Developer / Cloud Developer**

SES Digital | Lima, Perú

Architectural solutions using infrastructure as code in terraform with AWS for the following objectives:

- Creating jobs in AWS Glue for reports
- Creating users for authentication in AWS Cognito
- Creating "database" in AWS Lake Formation from S3 parquet files

02/2023 - 06/2023

### **Backend Developer / DevOps Engineer**

Culqi | Lima, Perú

Refactoring microservices programmed in java with Spring boot, changing the language to node.js with typescript.

This service migration was performed using infrastructure as code in AWS CloudFormation for a deployment using AWS CodePipeline to achieve:

- AWS API Gateway integration with AWS Lambda.
- AWS Lambda with events in S3.

01/2022 - 01/2023

### **Backend Cloud Developer**

Wabi | Buenos Aires, Argentina

Developed new functionalities and implemented improvements to the existing ones of Wabi2b. Used Java 8, Java 11, Kotlin technologies; integrating solutions with Amazon Web Services.

Controlling massive updates of more than 15k inventory records and prices from suppliers/bottlers in India, Malaysia, and Vietnam.

Developed microservices for Indian requirements, deploying our Kotlin and Groovy codes in the AWS cloud, with a greater emphasis on event-driven programming.

Used infrastructure as code in AWS CloudFormation for deployment via Jenkins:

- AWS SNS, whose messages were sent to AWS SQS.
- AWS Lambda processes the SQS queues for each respective task and keeps the data updated.

06/2020 - 12/2021

### **Backend Developer / DevOps Engineer**

Lumingo Marketplace - Grupo El Comercio | Lima, Perú

We formed an in-house team at Grupo El Comercio to continue the Lumingo project, which was developed in SAP Hybris 6.3 with JAVA 8. Migrations and

solutions oriented to Microservices, automating logistics and payment processes were also carried out.

Provided cloud architecture solutions on AWS with infrastructure as code using terraform to achieve:

- AWS API Gateway to expose APIs that start a process and analyse its status.
- AWS Step Functions for label generation and price update processes, due to the many consecutive steps required.
- AWS Lambda, to use a respective function in each stage of the Step Function as well as in the API Gateway integration
- AWS Dynamo, to store data when a process starts, the current status and the time of its completion.

*11/2015 - 07/2019*

**Backend Developer / DevOps Engineer**

Orbis Ventures S.A.C. - Grupo El Comercio | Lima, Perú

Part of the NeoAuto team, responsible for the development of new features, maintenance, and support of the NeoAuto web application developed in PHP with ZendFramework 1, MySQL, Solr, MongoDB.

We migrated a monolithic project to a microservices-oriented architecture by integrating CloudFormation, EC2 and ECS from Amazon Web Services in conjunction with our deployments via Jenkins.

*07/2015 - 11/2015*

**Programmer Analyst**

Clicks and Bricks S.A.C.(Acquired by Orbis Ventures S.A.C. in 2015) | Lima, Perú

Responsible for the maintenance and support of El Comercio's NeoAuto web application developed in PHP with ZendFramework 1.

*08/2014 - 07/2015*

**Programmer Analyst**

Media Marketing Lab | Lima, Perú

- Web software programming for third parties, especially in PHP with ZendFramework.
- Analysis and configuration of payment gateways for e-commerce.
- Integration and maintenance of projects in WordPress.
- Web service maintenance.

*07/2013 - 06/2014*

**Full Stack Developer**

Anytime S.A. | Lambayeque, Perú

Programming of web, desktop, and mobile software for third parties in the languages they require:

- PHP (and its Zend, Kumbia and Doctrine frameworks)
- Java (and its spring framework)

In addition, if required, web-services were used to obtain batch data.

The database that is most compatible with the company's processes, be it SQL (MySQL, PostgreSQL, SQL server, Oracle) or NoSQL (MongoDB, Cassandra) is used, optimizing processes that need continuous improvement and supervision.

## COMPUTER SKILLS

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**Office:** intermediate | **Linux SO:** advanced | **Relational Databases:** Advanced | **Non-relational Databases:** Advanced | **Python Language:** advanced | **PHP Language:** advanced | **Java Language:** intermediate | **Amazon Web Services:** advanced

## LANGUAGES

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- Spanish: mother tongue
- English: Upper Intermediate (B2)
- Italian: basic