# Guillermo Castillo Patiño

**Systems Engineer**


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## WORK EXPERIENCE

2025 – 2026

### Technical Consultant

**Kata Software S.A.S**

- Implemented a middleware service layer to enable seamless integration between Kata Mobile, Kata Engine, and external client systems in the financial sector.
  - Developed key features such as:
  - Integration with credit bureaus to check credit information.
  - Integration with identity validation services.
  - Integration with electronic signature platforms.
  - Exchanging information with client internal systems.
  - Generation of PDF files for e-signature process workflows, reporting, and basic image processing.
- Developed in .NET 8, deployed on Azure App Services, use of Azure Storage for document management, and Azure Application Insights for monitoring and log management.

2018 – 2024

### Senior Full Stack Developer

**Mawesi S.A.S**

- Supported and enhanced the web application for managing requests at a university, developed in ReactJS, Laravel (PHP), and PostgreSQL.
- Optimized the Production System web application for a pharmaceutical company using ReactJS, .NET Framework 4.8, and Oracle; integrated data loading processes via DataStage and generated reports in Power BI and Excel.
- Developed data loading and transformation modules with Pandas and Python, integrated within a Django web application, automating manual processes and achieving an approximate 70% reduction in processing time.
- Developed data processing solutions using Apache Airflow, improving scalability and maintenance of data workflows.
- Implemented an automated workflow using Jenkins for test execution and SonarQube for continuous code quality evaluation, thereby elevating development standards prior to client delivery.

## PROFILE

I am a Systems Engineer with 8+ years of experience in web application development. I utilize frameworks such as Django, .NET Core, and Laravel for backend development, and ReactJS for the frontend. I possess strong expertise in data processing and analysis, employ ETL tools, and master data visualization with Power BI. I excel at effective communication, teamwork, and quickly adapting to change. I approach complex challenges with a problem-solving and innovative mindset, developing efficient solutions that enhance productivity.

## SKILLS

### Programming languages

Python
JavaScript
C#
PHP

### Frameworks & Libraries

Django
React JS
.NET Core
Laravel
Node JS

2017 - 2018

### Development Engineer

**Opal Group S.A.S**

- Implementation of the CRM System for New Clients
- Developed using Django (Python) with Oracle and MySQL databases, and AngularJS for the interface.
- As part of the Special Projects team, developed two specific modules:
- Project Management Module: Responsible for recording and calculating operational and administrative costs for a construction company.
- Configurable Packages Module: Designed for companies offering services or bundles of supplies, allowing the registration and hierarchical grouping of these items; ReactJS was used for the interface.

2015 - 2016

### Intern

**Nuevos Medios**

- Diagnosed and resolved issues reported on the KME online learning platform, improving system stability and performance.
- Integrated the Zoom videoconferencing service and configured AWS CloudFront for video streaming.
- Updated the platform's visual design by migrating from jQuery and Bootstrap to AngularJS and Google's Material Design library.
- Developed the interoperability module based on the LTI standard as part of the thesis project, enabling the integration of content from other platforms and the offering of proprietary courses.

## EDUCATION

2017

Ingeniería de Sistemas
Universidad del Valle

## ADDITIONAL EDUCATION

2025

IBM Full Stack Software Developer Certificate
IBM - Coursera

2023

Power BI Data Analysis Course
Platzi

2015

Cloud Services Development with HTML5, JavaScript, and Node.js
Miriadax

2015

Software Testing Techniques
Universidad del Valle

## Databases

Oracle
PostgreSQL
SQL Server

## Data processing

DataStage
Pandas
Numpy
Apache Airflow

## Data visualization

Power BI