# DRIVEMASTER: SAAS PLATFORM FOR INTEGRATED MANAGEMENT AND REGULATORY COMPLIANCE IN COLOMBIAN DRIVING SCHOOLS

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## 1 BACKGROUND

DriveMaster is a Software-as-a-Service (SaaS) platform that automates and unifies the management of driving schools.

Our Value Proposition is built on three pillars:
- Guaranteed Compliance: Automates hour counting and certificate generation according to current regulations (A1, B1, C1, etc.).
- Operational Efficiency: Centralizes the management of students, instructors, vehicles, and payments in one place.
- Modern Experience: Provides self-service portals for students and instructors to manage their schedules and progress.

## 2 PROBLEM

The Colombian sector faces key challenges: (1) Unstable Compliance: Changing regulations (MinTransporte/RUNT) and manual systems that lead to errors in hour tracking. (2) Inefficiency: Core processes (registration, payment, certification) are disconnected, causing rework and a poor student experience due to lack of progress visibility.
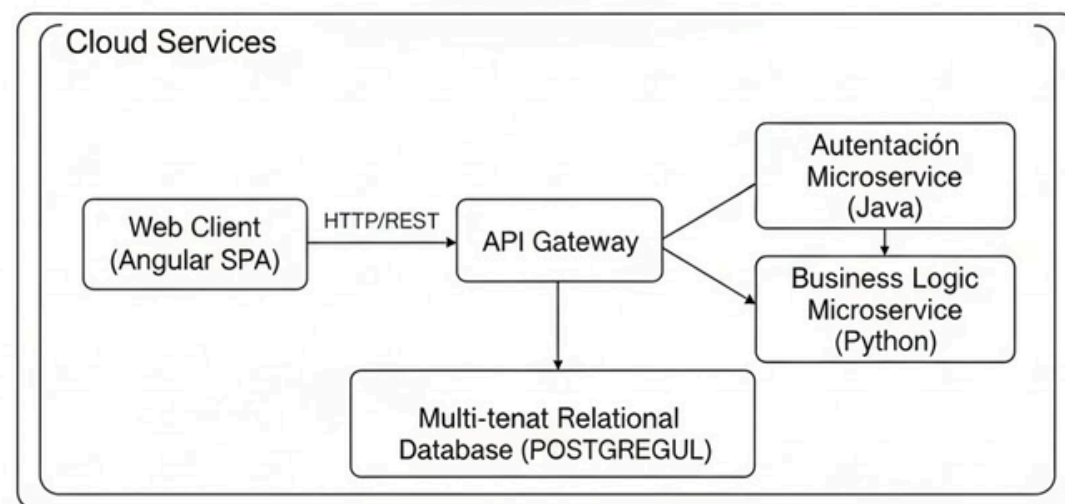
## 3 GOAL

We propose to generate a service (SaaS) that guarantees regulatory compliance and operational efficiency for driving schools. The final product will be a consistently updated management platform, allowing schools to pay for the service without worrying about servers or maintenance costs.
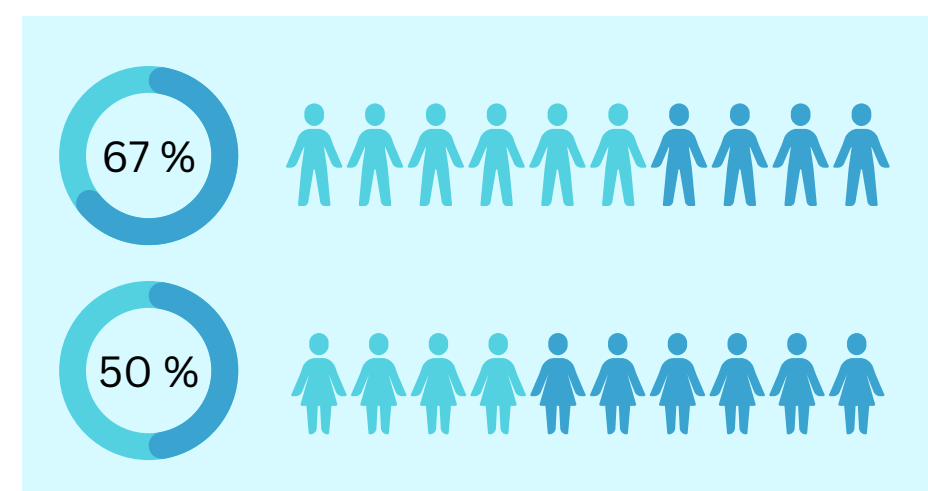
## 4 PROPOSED METHOD

### Container Architecture (C4 Model) DriveMaster

The solution is based on a microservices architecture.



## 5 RESULTS

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## 6 FUTURE DIRECTIONS

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## REFERENCIAS

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