

# Santiago Escobar

Full-Stack Developer

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## Professional Profile

Computer Engineering student with experience developing innovative software solutions across backend and frontend, effectively applying modern technologies such as artificial intelligence and the Internet of Things. I have been involved in the full software development lifecycle –requirements, design, implementation, testing, and deployment– ensuring technical coherence and high-quality deliverables. I am motivated by building practical, reliable software to solve real-world problems, integrating hardware and software when the project requires it.

## Experience & Key Projects

### Full-Stack Developer – Hogar Gloria Platform

2025–2026 | Freelance

- Backend development using FastAPI
- Mobile application built with Flutter (Dart)
- Cross-functional collaboration across frontend, backend, and CI/CD workflows

### Backend Developer – Bill Payment System

2024 | Academic

- REST API development using FastAPI
- CI/CD pipeline implementation with GitHub Actions
- Deployment using Docker-based automated build processes

### Backend Developer – Notification Microservice

2025 | Academic

- Designed a messaging microservice using RabbitMQ
- Improved asynchronous communication across services

### Desarrollador IoT – MCP Smart Home

2025 | Academic

- IoT system integrating sensors, Arduino, and MCP tools
- Hardware–software integration for home automation control
- Contributions to system design, device integration, and data processing

## Education

### **B.Sc. in Systems and Computer Engineering | Universidad de Caldas**

2021 - Present (Expected graduation 2026)

### **Technical Degree in Systems | SENA**

2012 - 2013

## Soft Skills

- Collaborative teamwork
- Clear and effective communication
- High adaptability in dynamic environments
- Self-directed learning and continuous improvement
- Strong organizational and time-management skills
- Results-oriented mindset

## Technical Skills

- Backend: Java · Spring Boot | Python · FastAPI | Node.js
- Frontend / Mobile: Flutter · Dart | Angular | React
- Infrastructure / DevOps: Docker | Git | CI/CD
- Databases: SQL (MySQL · PostgreSQL) | NoSQL (MongoDB)
- QA / Testing: Selenium | JUnit | Karate | Page Object Model (POM)
- IoT: Arduino | Sensors | AI Integration
- Other: AI-assisted development · OOP

## Languages

- English (B2)
- Spanish (Native)