

# Jhair Agila

## Profile

I am Jhair, a passionate of building and deploying web systems, I build web systems using Typescript + Node + Nest.js and Next.js. I began programming with PHP at high school and I'm currently in 9<sup>th</sup> cycle of Computer science engineering. I have worked under agile methodologies applying quality and security in several projects.

## Projects

**Store management system:** Useful for merchants to sell their products. This project applied security control.

**Requirements documentation system:** Useful for learning how to create requirements. This project applied quality management.

**Monitoring the main classroom:** Installation and configuration of sensors to send and analyze data to a web page.

**Mapu:** Web system for site and event management at the university.

## Experience

### Store management system (3 months)

The system allows customers to search for products and buy them.

Responsibilities:

- Project manager
- Architect
- Developer
- DevOps (Azure, GCP, Pipelines for security in static and dynamic code)

Technologies:

K8S, GKE, AKS, Typescript 5.7.3 - Nest 10.4.9 - Nats 2.28.2 - Next 14.2.22 React.ts 19.2 - Leaflet 1.9.4 - MongoDB - PostgreSQL - Prisma

### Requirements documentation system (2 months)

Teamwork, developed with SCRUM, using user stories, test cases, checklists, error matrices, and final quality reports.

The system allows students and teachers to document, review, and rate software project requirements.

Responsibilities:

- Architect
- Tester
- Developer

Technologies:

Node 20.3.1, Nest 4.19.2 - Next.js 14.1.1 - Prisma - PostgreSQL- Jest



## CONTACT

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 [Linkedin](#)

 [Website](#)

 [Jhair Agila](#) (main)

 [Jhair Developer](#) (University).

 [JhairAgilaCompu](#)

## IDIOMS

Spanish

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English

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## EDUCATION

### Computer science

UNIVERSIDAD NACIONAL DE LOJA  
2021-2026

### English - B2

THE CANADIAN HOUSE CENTER -  
LOJA

### Bachelor of Computer Science

UNIDAD EDUCATIVA  
FISCOMISIONAL "LA DOLOROSA"  
2019-2021

### **Monitoring the main classroom (3 months)**

The system allows to monitor the air quality of the aula magna, these results are displayed on the web site together with the status of the sensors used.

Responsabilities:

- Architect
- Developer

Technologies:

Express 4.19.2 - http-proxy 3.1.2 - 10.4.9 - Next.js 14.2.22  
React.js 18.0.1 - Leaflet 1.9.4 - Material-UI 5.15.21 - Arduino -  
MongoDB - mongoose.

### **Calculation of the shortest route (4 months)**

Web and mobile application allows you to find the shortest route between two points, also it able to manage the events that exist at the University.

Responsabilities:

- Architect
- Developer

Technologies:

Express 4.18.2 - Nodemailer 6.6.0 -  
React.ts 18.0.2 - Leaflet 1.9.4 - Chakra-UI 2.7.1  
- React-Native: 0.71.8 - MongoDB - Mongoose 7.1.1

### **Car sales (1 month)**

Web application allows you to sell carts and manage stock.

Responsabilities:

- Project manager
- Architect
- Developer

Technologies:

Express 4.16.1 - React.js 18.0.2 - Tailwind 3.3.0 -  
MySQL - Sequelize 6.35.2