

Juan Pedro Villa Isaza

El Retiro, Colombia

🌐 www.jpvillaisaza.com • 🌐 [jpvillaisaza](https://jpvillaisaza.com)

Experience

Stack Builders

Haskell Developer

Remote

Apr 2017–Present

Responsibilities and achievements include:

- Contributed to client projects using Haskell (with frameworks such as Servant and Yesod), PureScript, and Reason, along with tools like Rclone.
- Led the internal Haskell training program, restructuring the course curriculum to align with Graham Hutton's *Programming in Haskell*.
- Authored blog posts and tutorials, and assisted in content review for the company website.

Stack Builders

Software Developer

Quito, Ecuador

Sep 2014–Nov 2016

Responsibilities and achievements include:

- Contributed to client projects using Haskell (with frameworks such as Servant, Snap, and Yesod).
- Supervised and managed small Haskell projects.
- Authored a series of blog posts and tutorials for the website.
- Initiated and led the tutorials initiative.
- Coordinated content creation efforts.
- Assisted in organizing and managing the Quito Lambda meetup.

Universidad EAFIT

Teaching Assistant

Medellín, Colombia

2009–2012

- Assisted in teaching CB0081 (Automata and Formal Languages).

EAFIT Virtual, Universidad EAFIT

Intern

Medellín, Colombia

2010–2010

Volunteer Experience

Hackage Trustees

Package uploader approver

Aug 2023–Present

Education

Universidad EAFIT

Systems Engineer, 4.48/5

Medellín, Colombia

2006–2014

- Honorable mention for the undergraduate project *Category Theory Applied to Functional Programming* (2014).
- First Class Honors (2006)
- Member of the Logic and Computation Research Group (2007–2014).
- Attended LERNET 2008, the International Summer School on Language Engineering and Rigorous Software Development in Piriápolis, Uruguay.

Universidad EAFIT

Mathematical Engineering, Incomplete Degree

- Completed seven semesters of coursework.

Medellín, Colombia

2007–2011

Colegio San Ignacio

High School Graduate

Medellín, Colombia

1993–2005

Skills

Programming Languages: Haskell and functional programming languages

Markup Languages: HTML, \LaTeX , Markdown

Databases: PostgreSQL

Tools: Git, Jekyll

Projects

Licensor

A license compatibility helper for Haskell

<https://github.com/jpvillaisaza/licensor>

Haskell

2016

Hermes

Colombian opinion articles aggregator

github.com/jpvillaisaza/hermes

Haskell

Zenith

Fuel economy calculator

github.com/jpvillaisaza/zenith

Elm

Publications

Systems Engineering undergraduate project

Category Theory Applied to Functional Programming

2014

- Supervisor: Andrés Sicard Ramírez

- Website: github.com/jpvillaisaza/cain

Blog posts and tutorials

- Getting started with Haskell projects using Scotty (2021)
- Nonsense! Getting started with Reason and React (2020)

- CSV encoding and decoding in Haskell with Cassava (2016)
- Reverse, reverse: Theorem proving with Idris (2015)
- A QuickCheck tutorial: Generators (2015, updated 2024)
- The hang of Elm: Hangman and functional programming with Elm (2015)
- Errors and exceptions in Haskell (2015)
- Dr. Hakyll: Create a GitHub page with Hakyll and CircleCI (2015)
- Obverse versus reverse: Benchmarking in Haskell with Criterion (2015)
- Hangman: Imperative functional programming (2015)
- Pattern matching: Wot's... Uh the Deal? (2015)
- The weak and the strong: functors (2014)

Presentations.....

2009: *Proofs = Programs: Functional programming with dependent types*, Días de la Ciencia Aplicada 2009, Universidad EAFIT.

Non-dependent Types for the Implementation of a Dependently Typed Functional Programming Language, Logic and Computation Seminar, Universidad EAFIT.

2007: *Regular Expressions Using Haskell*, Logic and Computation Seminar, Universidad EAFIT.

Interests

Bird watching, cooking, reading, video games, writing

Languages

Spanish: Native

French: Beginner

English: Fluent