

Juan Pedro Villa Isaza

El Retiro, Colombia

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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

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