

Víctor Andrés

Pedraza León



## Systems Engineer Software Engineer

**Residence**  
Bogotá, Colombia

**Date and place of birth**  
June 17, 1996  
Villavicencio, Meta  
Colombia

**Phone number**  
3124514119

**Email**  
vapedraza1706@gmail.com

**LinkedIn**  
<https://co.linkedin.com/in/victor-andres-pedraza-leo-n-b91509b3>

**Website**  
<http://vapedraza.com>

**GitHub**  
<https://github.com/VictorAndres20?tab=repositories>

### Courses

- **Udemy.** Flutter: Tu guía completa de desarrollo para IOS y Android. 2020 - Actually.
- **Udemy.** Certified Kubernetes Administrator (CKA) with Practice Tests. 2020 - Actually.
- **CertiProf.** Scrum Foundation Professional Certificate 2020.
- **Udemy.** Node.js. 2019 - 2020.
- **Udemy.** React - Redux. 2019 - 2020.
- **Udemy.** Docker. 2019 - 2020.
- **VMware Education Services.** VMware Enterprise PKS. 2020
- **Udemy.** Spring Boot y arquitectura de microservicios. 2020 - Actually.

Systems engineer. Focused on software development, I currently work as a fullstack engineer designing, developing, testing and deploying web and mobile applications. In the creation of REST APIs I use languages such as Python, JavaScript (NodeJs) and Java. For the frontend, I develop SPA web applications using React.

I care about the use of best practices for the maintainability and acceptability of the software product. Additionally I have skills in the development of mobile applications with React Native and Flutter.

### Experience

#### VELOZIENT LLC. - Remote

- Full stack developer (March 2024 - Actually)
  - Worked at an US based startup whose product was an LCA (Life Cycle Assessment) web application system. The goal of this software was to provide an intuitive and user-friendly way for clients to evaluate the total environmental impact of their products, processes, or services.
  - Architecture and tech stack:
    - Backend: JavaScript/TypeScript with NestJS framework and Prisma ORM.
    - Frontend: TypeScript with React, bundled via Vite.
    - Worker: A dedicated worker built with NestJS to handle heavy LCA calculations.
    - Databases: PostgreSQL for core business data and Redis for the queue system.
    - Codebase: The codebase was organized as a monorepo using Nx, simplifying the management of both backend and frontend, and enabling the generation of new NestJS and React libraries for seamless integration.
    - AI tools: We used AI to improve development using Claude code and GitHub Copilot, PR reviews using Greptile and access to OpenAI API to create AI features in the app.
  - My primary goals were to maintain the web application, fix critical bugs, deliver new features and help reviewing PRs. Some of my key contributions included:
    - Designing and building the results dashboard from scratch.
    - Delivering new standardized templates in line with the startup requirements.
    - Implementing the feature to synchronize inventory data between LCAs.
    - Fixing critical calculation bugs to ensure accurate results.
    - Adding an AI-powered inventory review feature using the OpenAI API.
    - Developing an external Python-based tool to automate LCA testing.

#### KOALA SOFTWARE S.A.S. - Bogotá

Contributed to a Colombian IT solutions integration firm, specializing in transforming clients' business needs into competitive successes through agile and systematic software development and IT solutions.

- Full stack engineer (March 2023 - March 2024)
  - Designed and implemented a no-code platform to create and deploy RPA robots utilizing Python and Electron.js.
  - Engineered and implemented a license control platform with Node.js (Nest.js, TypeScript) and React.js.
  - Designed and developed an order, production and dispatch management system for a company that produces elastics. System developed in Python (FastAPI), NodeJS (NestJS, TypeScript) and React.
  - Deployed applications on AWS EC2 and Lambda functions, integrated them with AWS Gateway.
  - Managed Linux servers and orchestrated Docker container deployments to ensure smooth operations.

- Full stack developer (March 2020 - March 2023)
  - Automated electronic invoice reception and processing by developing a Python-based system.
  - Created a web platform using Node.js (Nest.js, TypeScript) and React.js for configuring and managing the electronic invoice automation system.
  - Control of Linux servers and Docker containers deployments.

#### NOVOPANGEA GROUP S.A.S. - Bogotá

Worked at a Colombian IT solutions integration company, providing specialized services to analyze clients' business needs and transform their objectives into competitive success

- Junior software developer (May 2019 - March 2020)
  - Development and deployment of a web application in Spring Boot, with the aim of estimating ADHD (Attention Deficit Hyperactivity Disorder) present in children from 3 to 12 years of age.
  - Development of REST web services in Spring Boot and implementation of ESB (Enterprise Service Bus) for interoperability between different web services, with the use of Apache Camel and Oracle SOA 12c suite.
  - Development of an internal licensing control system for the company to support the administrative area. Web project with backend in Spring Boot, NodeJS (Express) and frontend in React.
  - Maintainability and development of improvements in web application focused on intelligence and military counterintelligence.

### Knowledge

- **Programming languages:** JavaScript, TypeScript, Python Java.
- **Backend development:** Node.js, NestJS, FastAPI, Django, SpringBoot.
- **Frontend development:** React.
- **Mobile development:** React Native, Flutter.
- **Servers and deployments:** Linux, Docker containers, AWS EC2, AWS Lambda Functions.
- **Databases:** PostgreSQL, MongoDB, AWS RDS.
- **AI tools:** Claude code, Gemini CLI, GitHub Copilot, OpenAI API, Greptile.

### Studies

**Universidad El Bosque**  
Bogotá, Colombia  
Systems Engineer  
2017 - 2021

**Institución Universitaria  
Politécnico Gran Colombiano**  
Bogotá, Colombia  
Logistics Technologist  
2014 - 2019

### References

**Kenton Gray**  
CTO.  
Systems Engineer.  
Computer science.  
**Contact:** +1 8322773193

**Johan Céspedes**  
Systems Engineer.  
Software Developer Engineer II (CSG).  
**Contact:** +57 3192299190

**Germán Gonzalo Vargas Sánchez**  
Systems Engineer.  
CDTi Manager (Universidad El Bosque).  
Complex Thinking, PhD.  
**Contact:** +57 3053130933