

# Hildebrando Vargas Bedoya

Software Engineer

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## EDUCATION

- **Ingeniero de software (backend specialist)** 2023  
*Universidad Politécnica Gran Colombiano*
- **Lic Matemáticas y física** 2009  
*Universidad de Antioquia*

## PERSONAL PROJECTS

- **Inventory system with Flask**  
*CRUD application using flask and mysql using SQLAlchemy.*
  - Facilitating users' logins to websites without having to remember their credentials
  - Project inventory system.
  - Technology Used: Python, Flask, Docker, Jinja2, mysql and SQLAlchemy.
  - 🐙 GitHub.com/gluoneros/HootsiTP
- **Java users and task management**  
*An application with Java for task management using Spring Boot*
  - A Spring Boot, Hibernate, Thymeleaf and Tailwind CSS application.
  - Technology Used: Spring Boot, Hibernate, Thymeleaf, postgres and Tailwind CSS,.
  - 🐙 Github.com/gluoneros/AriaFina
- **GreenPredEnergy**  
*ML project using Random Forest and Flask to predict solar/wind energy feasibility in Colombia.*
  - Tracking Colombian renewable projects.
  - Technology Used :Python, Jupyter – Pandas – Numpy – Scikit-learn – github – seaborn, flask
  - 🐙 Github.com/gluoneros/greenPredEnergy

## EXPERIENCE

- **Freelancer** 2021 to present  
Online
  - In-depth understanding of AWS cloud computing services, including EC2, S3, RDS.
  - Proficient in designing, deploying, and managing Developing custom web applications, automation scripts, and backend solutions
  - Strong knowledge using Python frameworks like Django and Flask for various clients. Focused on delivering efficient and scalable codes.s.
  - Hands-on experience in cloud infrastructure provisioning, monitoring, and automation using AWS Management Console and AWS CLI.
- **Mathematics & Physics Teacher** 2010 - 2021  
on-site
  - Instructed high school and college level mathematics and physics courses.
  - Developed engaging lesson plans, assessed student progress, and fostered a positive learning environment.

## TECHNICAL SKILLS AND INTERESTS

**Languages:** C/C++, Python, Java, Javascript, HTML+CSS

**Libraries :** Python Libraries, Tailwind, scikitlearn..

**Web Dev Tools:** Linux, VScode, Git, Github, Jupyter

**Frameworks:** Django, Flask, FastAPI, SprinBoot,

**Cloud/Databases:** postgres, Mysql, Relational Database(mysql), RDS.

**Relevant Coursework:** Data Structures & Algorithms, Operating Systems, Object Oriented Programming, Database Management System, Software Engineering.

**Areas of Interest:** machine learning, Backend, Cloud Security,

**Soft Skills:** Problem Solving, Self-learning, Presentation, Adaptability