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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