Hildebrando Vargas Bedoya

Software Engineer

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EDUCATION

•**Ingeniero de software (backend specialist)**   *2023*
Universiad Politécnino Grancolombiano

•**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, Lambda, IAM, VPC, and more.
– Proficient in designing, deploying, and managing fault-tolerant, highly available, and scalable AWS solutions.
– Strong knowledge of architectural best practices, such as AWS Well-Architected Framework, security, performance, and cost optimization.
– Hands-on experience in cloud infrastructure provisioning, monitoring, and automation using AWS Management Console and AWS CLI.

•**Mathematics & Physics Teacher**   *2010 - 2021*
                                                                                                            on-site
– Learned the fundamentals of Security Operations Center (SOC).
– Learned basics of Network & Cloud Security.

TECHNICAL SKILLS AND INTERESTS

Languages: C/C++, Python, Javascript, HTML+CSS
Libraries : C++ STL, Python Libraries, ReactJs
Web Dev Tools: Nodejs, VScode, Git, Github
Frameworks: ReactJs
Cloud/Databases:MongoDb, Firebase, Relational Database(mySql)
Relevent Coursework: Data Structures & Algorithms, Operating Systems, Object Oriented Programming, Database Management System, Software Engineering.
Areas of Interest: Web Design and Development, Cloud Security.
Soft Skills: Problem Solving, Self-learning, Presentation, Adaptability

POSITIONS OF RESPONSIBILITY

•**On Desk Registrations Volunteer** Aarhant Cyber Week Event - RCOEM, Nagpur   *Oct - Dec 2022*

– Helped to attract close to 300 attendees to the event.
– Collected over Rs. 20,000 in entry fees for different activities.