



Julian Villate

Software Engineer

Contact

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About Me

Engineer with a strong foundation in programming and data-driven solutions. My expertise lies in developing server-side applications and designing efficient data pipelines. I am passionate about leveraging emerging technologies to optimize processes and deliver scalable, innovative solutions. I thrive in collaborative environments where I can contribute fresh perspectives and drive impactful change through technical excellence.

Skills

- Python, Typescript, VB
- MySQL, Mongo
- Node.js, Flask
- AWS, Apache, Docker



Github

Education

Bachelor's Degree in Computer Science
Universidad de los Andes 2020-2024

Technical degree in IT Support
SENNA 2018-2019

Courses

Big Data Emerging Technologies
Yonsei University 2025

Covering industry trends, data processing frameworks (Hadoop, Spark, Storm), distributed storage, real-time analytics, and machine learning applications.

Cloud Data Engineering
Duke University 2025

Covering KPI's, focusing on financial, operational, and customer-centric metrics essential for strategic decision-making.

GenAI and LLMs on AWS
Duke University 2025

Covering the cutting edge techniques on generative AI on the AWS platform, including cloud development environments, GPUs also pair programming tools like CodeWhisper and also Amazon Q.

Experience

Data analyst jr
Independence Drilling S.A. 2024 - 2024

Designed and implemented automated workflows to streamline business processes, reducing manual effort and improving efficiency.

Developed data scraping to collect and process information from various sources, ensuring accuracy and relevance.

Created and maintained Power BI dashboards to visualize key performance indicators, enabling data-driven decision-making.

Projects

Youtube Trending Data Analysis

Managed, streamlined, and performed analysis on the structured and semi-structured YouTube videos data based on the video categories and the trending metrics. Done building ETL on AWS.

Asthma and Depression in Colombia

Worked with medical students on a statistics project analyzing the relationship between asthma and depression in Colombia using the multipurpose DANE survey and building Power BI dashboards.

Stock market Real-time analysis using kafka

Buildend end-to-end project where market data is streamed from kafka and consumed and proccesed in aws. This was using different technologies such as Python, Amazon Web Services (AWS), Apache Kafka, Glue, Athena, and SQL.

References

Xiomara Suarez

Independence / Especialista en nuevas tecnologías

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Colibri IT / Consultor

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