

Adrian Villanueva Martinez

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Senior Software Engineer with a successful track record in delivering high-quality solutions. Experienced leader skilled in driving projects from concept to completion. Passionate about optimizing processes through technology.

About me

Nationality	Spain (EU)
Languages	English, Spanish
Coding	Python, Java, Go, Rust, NodeJS, C, HTML/CSS/JavaScript
DBs	SQL Server, MySQL, PostgreSQL, MongoDB, AWS Athena, Cassandra, Redis
DevOps	Docker, Kubernetes, Terraform, Terragrunt, ArgoCD, Git, CI/CD, GitHub Actions, Prometheus, Grafana
Data Eng	PySpark, Pandas, Airflow, Databricks, DBT, Kafka, FastApi
Cloud	AWS, GCP, Azure
Interests	Hiking, Reading, Traveling, Photography, Cooking, Music, Programming, Gaming, Gardening, Cats

Professional Experience

Woven by Toyota

Tokyo, Japan

2024 - Present

DATA ENGINEER

- Built a scalable AWS + Databricks data platform from the ground up, growing adoption from 0 users to company-wide usage in a data mesh architecture
- Designed and implemented a Kafka-based data ingestion SDK with Rust bindings for Python, Java, TypeScript, and Go, distributed company-wide across multiple operating systems and architectures
- Led CI/CD pipeline development for data engineering and data science projects, enabling deployment and monitoring of data pipelines and models in Databricks
- Contributed to data quality, reconciliation, and data contracts implementation, ensuring reliability and consistency across the platform
- Made the data platform accessible as a self-service for developers with clear naming conventions and best practices documentation

Databricks Terraform Python Java AWS Terragrunt Typescript GitHub Actions CI/CD Rust kafka Open Telemetry MLflow Go

Ahold Delhaize

Amsterdam, Netherlands

2022 - 2024

DATA ENGINEER

- Maintained and evolved a company-wide data platform, providing Databricks workspaces for multiple data products and teams
- Developed and optimized ETL pipelines on Databricks, enabling efficient data processing and analytics at scale
- Built and maintained Terraform modules for infrastructure automation on Azure, standardizing deployments across the organization
- Created monitoring and auditing tools with Python and Kusto, ensuring platform reliability and governance compliance
- Implemented CI/CD pipelines with GitHub Actions and ArgoCD for streamlined deployment of services to Azure and Kubernetes

Python SQL Databricks Kusto Terraform GitHub Actions Azure Kubernetes ArgoCD kafka

Dashmote

Amsterdam, Netherlands

2021 - 2022

DATA ENGINEER

- Designed and implemented Infrastructure as Code (IaC) with Terraform on AWS, reducing deployment time by 70% and improving reliability
- Migrated legacy Apache Airflow pipelines to PySpark, enhancing performance and reducing operational costs
- Optimized CI/CD pipelines and Docker image builds using multi-stage techniques, reducing build times and infrastructure costs
- Designed and deployed a production-ready data lake on AWS, establishing data governance and enabling self-service analytics
- Mentored team members and implemented improved DevOps practices, accelerating development workflows across the organization

Terraform AWS Python Apache Airflow Docker DevOps PySpark

Ernst & Young (EY)

Madrid, Spain

2019 - 2020

SOFTWARE ENGINEER

- Developed data processing applications using Python, SQL, and Java for automation and ETL tasks, improving operational efficiency
- Built and maintained machine learning models for predictive analytics, enhancing data-driven decision making
- Managed Linux systems and implemented full-stack web applications for internal data visualization tools
- Contributed to project planning and execution, collaborating with cross-functional teams to deliver client solutions

Python SQL Java Talend Linux Machine Learning Full-stack

Education

Universidad Europea, Madrid

Spain

2015 - 2022

BACHELORS DEGREE IN COMPUTER SCIENCE

- Thesis: Building a self-hosted AI driven platform for security cameras monitoring using edge computing | GPA: 9.5/10