

# 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

DATA ENGINEER

2024 - Present

- Leading an engineering team to build a scalable data platform in a data mesh architecture on AWS using Terraform, Terragrunt, and Databricks
- Implementation of internal libraries and tools for data engineering and data science teams to improve productivity in Python, Java, Typescript, and Rust
- Design and implement CI/CD pipelines for data engineering and data science projects to deploy and monitor data pipelines and models in Databricks

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

### Ahold Delhaize

Amsterdam, Netherlands

DATA ENGINEER

2022 - 2024

- Analyze datasets with SQL/Python, collaborate for insights
- Streamline CI/CD pipelines
- Develop Python solutions with Kusto for automation/auditing
- Create ETL pipelines on Databricks
- Design internal tools for auditing/monitoring with Python
- Maintain Terraform modules and CI/CD on GitHub Actions
- Deploy resources on Azure/Kubernetes with ArgoCD

Python SQL Databricks Kusto Terraform GitHub Actions Azure Kubernetes ArgoCD kafka

### Dashmote

Amsterdam, Netherlands

DATA ENGINEER

2021 - 2022

- Infrastructure as Code (IaC) with Terraform on AWS, design and implement scripts for service deployments
- Maintain and optimize legacy Apache Airflow components in Python
- Deploy and optimize Docker images using buildkit, caching, and multi-stage builds
- Collaborate and mentor team, design and deploy production-ready datalake on AWS
- Redesign and implement DevOps strategies for faster workflows

Terraform AWS Python Apache Airflow Docker DevOps

### Ernst & Young (EY)

Madrid, Spain

SOFTWARE ENGINEER

2019 - 2020

- Assisted with data cleaning, processing, and analysis using Python and Excel, participated in team meetings and contributed to project planning and execution
- Contributed to software development for automation and ETL tasks using SQL, Python, Java, and Talend
- Managed Linux systems, including Ubuntu and CentOS, ensuring stability and security
- Developed and prototyped machine learning models for predictive analytics and data engineering
- Full-stack web development

Python Excel SQL Java Talend Linux Machine Learning Full-stack

## Education

### Universidad Europea, Madrid

Spain

BACHELORS DEGREE IN COMPUTER SCIENCE

2015 - 2022

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