

# Ajul Maharjan

Python | DevOps Engineer | Scalable Backends, Infrastructure & Hosting

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## Summary

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Backend engineer with 4+ years shipping production-grade Python / Django systems, who owns the DevOps side as well — Docker, CI/CD, and cloud infrastructure across AWS, GCP, DigitalOcean, RunCloud, WP Engine, etc. Comfortable end-to-end: designing clean RESTful APIs, orchestrating ETL pipelines, and operating the infrastructure they sit on.

## Notable Projects

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- **Multi-source analytics platform (GCP).** Fully Dockerized platform unifying Shopify, Facebook Ads, Klaviyo, Google Analytics, and inventory data into a single PostgreSQL warehouse. Apache Airflow orchestrates the ETL pipelines; Metabase surfaces dashboards to business stakeholders — giving the business one source of truth and enabling real-time decision-making.
- **YOLO image object detection pipeline.** Built the end-to-end pipeline for image classification and object detection: provisioned the training infrastructure, ran the training cycles, and integrated the resulting models into the consuming application.

## Core Skills

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**Languages:** Python, SQL, JavaScript, Bash

**Backend & APIs:** Django, Django REST Framework, RESTful APIs, API versioning, OpenAPI / Swagger (drf-spectacular)

**Data Engineering:** Apache Airflow, ETL pipelines, PostgreSQL, data warehousing, Metabase BI

**DevOps & Infrastructure:** Docker, CI/CD (GitHub Actions, GitFlow), NGINX (incl. HTTP/2), Linux / VPS administration, Git

**Cloud:** AWS, Google Cloud Platform (GCP), DigitalOcean, RunCloud, WP Engine

**AI / ML:** YOLO (image object detection & classification), training-infrastructure provisioning, model integration

**WordPress:** Custom theme development, security incident response, hardening, WordPress site hosting

**Engineering Practice:** System design, API contract management, deployment automation, monitoring, code review

## Experience

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### DevOps & Backend Engineer · Code Pros Pvt. Ltd.

*December 2021 to Present · Kathmandu, Nepal*

- Architected and shipped scalable RESTful APIs using Python, Django, and Django REST Framework, serving as the backbone of multiple production applications
- Built and operated a fully Dockerized analytics platform on GCP that integrates Shopify, Facebook Ads, Klaviyo, Google Analytics, and inventory systems into a centralized PostgreSQL data warehouse, giving the business a single source of truth
- Orchestrated multi-source data workflows with Apache Airflow, enabling reliable, scheduled ETL across all integrated data sources
- Implemented and maintained CI/CD pipelines (GitHub Actions / GitFlow), reducing release friction and standardizing deployments across environments

- Configured and tuned NGINX server infrastructure, including enabling HTTP/2 for measurable performance improvements on production traffic
- Managed Linux-based VPS environments end-to-end: provisioning, deployment, monitoring, and scaling
- Deployed Metabase dashboards on top of the data warehouse, empowering non-technical stakeholders with real-time analytics
- Applied API versioning and OpenAPI / Swagger documentation (drf-spectacular) to keep service contracts clean, well-documented, and consumable by frontend and integration teams

*Tech: Python, Django, DRF, PostgreSQL, Docker, Apache Airflow, GCP, NGINX, Linux, GitHub Actions, REST APIs*

## Education

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**B.Sc. (Hons) Information Technology** • University of Sunderland • 2018 to 2022

*Specialization: Computer Programming*