Engineer Data

Saved 4,000 hours with GitHub and GitLab CI/CD

Streamlined data analysis and software development processes, saving 4,000 hours by introducing GitHub, GitLab, Bash, and Python CI/CD practices.

2015 – 2022

4,000

hours saved across analysis and development

Situation. Both the data-analysis work and the software development were being held back by the same thing: manual processes. Work moved from development to delivery in a slow, inconsistent way, and the analysis side had its own pile of repetitive steps someone was doing by hand every time.

Task. The aim was to streamline both by bringing modern automation and CI/CD practices to workflows that hadn't had them.

Action. CI/CD practices went in, built on GitHub and GitLab, with Bash and Python doing the automation work underneath. The repetitive steps across both the data-analysis and the development workflows got automated, and how work moved from development through to delivery got standardised so it was the same every time rather than reinvented per project. Bringing the analysis side into the same disciplined process as the dev work was a big part of it — it had been treated as a separate, more manual world.

Result. The streamlined processes saved roughly 4,000 hours and sped up both the data analysis and the software development, and just as usefully made what got shipped more consistent — fewer surprises from work that had been done a slightly different way each time.

Bring this experience to your project

Use “Saved 4,000 hours with GitHub and GitLab CI/CD” as a starting point for a similar challenge in your organisation. The services behind this work are available for your project. Numbers arriving where they are needed, on a schedule, without anyone copying a spreadsheet at the end of the month.

Explore our services Get in touch →

Look behind the result

Read the situation, decisions and result in this example. We can discuss which parts transfer to your constraints and which need another approach. Saved 4,000 hours with GitHub and GitLab CI/CD — 4,000 hours saved across analysis and development

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Want to ship faster with less effort?

Talk through your project with the engineer responsible for delivery. We agree the scope, price basis and handover in writing before work begins.

Role context: Data Engineer. It draws on Data Engineering, Data Pipelines (ETL/ELT), Data Analytics, DevOps, Automation & CI/CD and Python. And while you are here, we are rather good at Data Pipeline Development (ETL/ELT), Data Analytics & BI Dashboards and DevOps & CI/CD Automation.

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One piece of **a longer record** — and it is all on this site.

Every entry is written the same way: the situation, the task, what we did and what changed.

See the whole record

Define the improvement you need

Bring a representative dataset, the questions it must answer and the current bottleneck. We can agree how to measure quality, throughput and recovery.

See what it costs Get in touch →

Want to ship faster with less effort?

Ask about the decisions behind “Saved 4,000 hours with GitHub and GitLab CI/CD”. You will speak with the people who can explain the work and assess your own project.

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Contact card

Carefully Crafted With Love by D.

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