

VeriDash

An AI-Driven, User-Centric Open Source Dashboard for
Enhancing Multimedia Verification

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2024-11-27

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Verification \neq Fact Checking!

- Fact Checking: long investigative work, "surgeon"
- Verification: sanity check of breaking news, "first aid"

VeriDash is:

- Creating a single User Interface for Video Verification
- Combining off-the-shelf tools
- Facilitating faster human work

Twain: *"A lie can travel halfway around the world while the truth is still putting on its shoes."*

Journalism needs AI to handle an overwhelming amount of information

The virality of news require ever faster verification

Some essential video tools in one place:

- Audio Transcription and Translation
- Metadata Extraction
- Geolocation
- Frame Extraction
- Object Detection
- Frame Stitching (Overview)

VeriDash **does not** do:

- Automated Verification

Demo

How does it work?

Built for modularity and scale:

- Parallel *job* processing: Python & Celery
 - Job dependency modeling
- Live updates between server and client: WebSockets
- Heavy usage of caching: job results, video uploads
- File storage with MinIO (S3 API)
- Frontend: modular and interactive, React

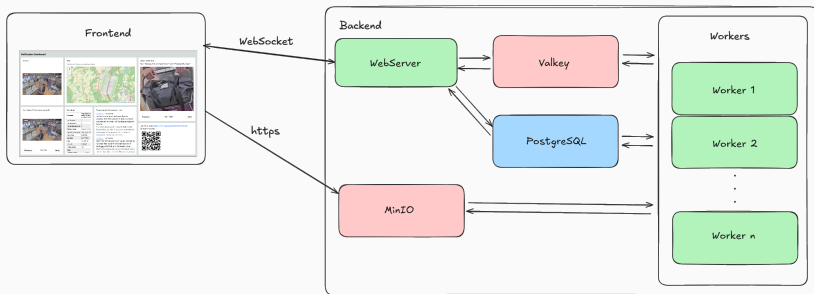


Fig. 1: VeriDash System Architecture Overview

The future

- Nothing is set in stone, we can still replace parts etc.
- Open-Source and designed to be extensible
 - Built using industry-standard tools
 - Just add a new job type, handlers, and UI

Features we want to add:

- Google Maps Street View
- Searchable Object Detection
- OpenStreetMap tags-based Geolocation
 - github.com/bellingcat/osm-search
- and more...

Thank you!

Ideas or contributions are welcome: github.com/skivdal/veridash
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