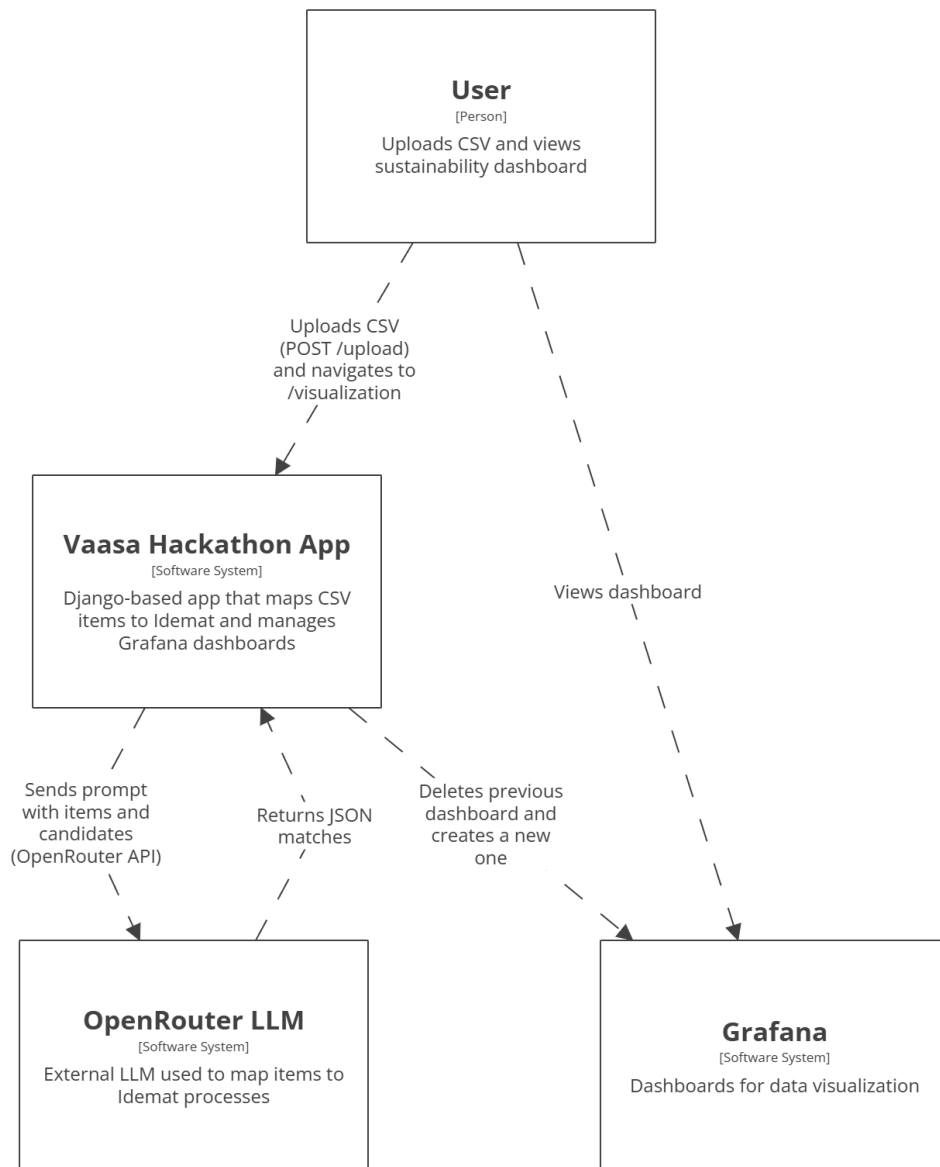


# FIBERS SA

## ARCHITECTURE



## Simple technical overview: compliance, data handling, reporting

- **Lawful use:** Collect only needed data; record consent where required.
- **User rights:** Allow data export/deletion on request.
- **Retention:** Set per-dataset retention and auto-delete old data.
- **Audit:** Log uploads, edits, access, and report generation.

### Data Handling

- **Ingest:** Validate CSV/XLSX; reject bad rows with an error file.
- **Store:** Use DB for records (SQLite dev, Postgres prod); keep file checksums.
- **Access:** Role-based permissions (admin/analyst/viewer); least privilege.
- **Security:** HTTPS, env-based secrets, CSRF protection; sanitize inputs.
- **PII:** Prefer pseudonymized IDs; keep mapping keys separate.

### Reporting

- **Dashboards:** Key metrics (e.g., emissions) with filters by date/process.
- **Shows:** Dashboard with all key metrics for CSRD-compliant reporting.
- **Provenance:** Include source file hash, dataset ID, ETL version, timestamp.

- **Quality:** Basic checks (completeness/outliers); block reports on failure.

## Operations

- **Monitoring:** Structured logs and basic metrics (ingest errors, job time).
- **Alerts:** Notify on failed imports, report errors, permission violations.
- **Changes:** Code reviews, DB migrations tracked, config in environment variables.