**🔧 Development Overview**

**📁 Project Directory:**cloud-backup-master

**✅ Core PHP Scripts:**

* backup.php — Handles compression and backup of selected files to a cloud service.
* restore.php — Retrieves backed-up data from the cloud and restores it to the local system.
* configure.php — Stores or updates credentials and cloud configuration settings.
* verify.php — Ensures that uploaded backups match the original data via hash verification.
* test\_service.php — Tests connectivity with the configured cloud service.
* test\_notifications.php — Tests backup notifications (e.g., email, logs).

**📁 Documentation Folder:**/docs

* cloud-backup-design-spec-and-benchmarks.md — Explains architecture, benchmarks, and design decisions.
* minimum-requirements-for-backup-software.md — Lists prerequisites for deploying and running the system.

**📄**README.md

* Project introduction, setup steps, and usage instructions.

**⚙️**.gitignore

* Specifies files/folders to ignore in version control (e.g., .env, \*.log, temp files).

**🔨 Technologies Used:**

* **Backend:** PHP (Core Logic)
* **Cloud Integration:** Configurable to services like Google Drive, AWS S3, etc.
* **Data Handling:** Compression and hash-based verification
* **Automation:** Cron jobs or schedulers for automatic backup
* **Security:** Basic encryption and integrity checks