zapier-clone-platform/

├── backend/ # Java Spring Boot microservice (core)

├── plugins/ # Custom plugin JARs or source modules

├── frontend/ # React-based dashboard and workflow builder

├── scripts/ # Optional scripts (Python, Bash)

├── docker/ # Docker and deployment config

├── docs/ # Diagrams, API docs, setup guides

├── .github/ # GitHub Actions CI/CD configs

├── README.md

└── LICENSE

backend/

├── src/

│ ├── main/

│ │ ├── java/com/parth/zapierclone/

│ │ │ ├── controller/ # REST APIs (workflow, auth, trigger, logs)

│ │ │ ├── service/ # Core business logic

│ │ │ ├── model/ # DTOs and JPA Entities

│ │ │ ├── config/ # Spring configs (CORS, DB, security)

│ │ │ ├── security/ # JWT, user roles, Auth logic

│ │ │ ├── workflow/ # Workflow orchestration engine

│ │ │ ├── plugin/ # Plugin loader (JARs, interfaces)

│ │ │ ├── integration/ # API clients (Gmail, Drive, etc.)

│ │ │ ├── scheduler/ # Quartz scheduled jobs

│ │ │ ├── webhook/ # Webhook handling endpoints

│ │ │ └── ZapierCloneApplication.java

│ │ └── resources/

│ │ ├── application.yml # App config

│ │ └── static/ # Swagger UI, etc.

├── pom.xml

plugins/

├── README.md

├── sample-plugin-email/

│ └── src/main/java/... # Implements Plugin Interface

├── sample-plugin-drive/

│ └── src/main/java/...

└── build.sh # Optional: script to build all plugins

frontend/

├── public/

├── src/

│ ├── components/

│ ├── pages/

│ ├── hooks/

│ ├── services/ # Axios API service layer

│ ├── utils/

│ ├── App.jsx

│ ├── main.jsx

│ └── index.css

├── tailwind.config.js

├── vite.config.js / package.json

scripts/

├── gmail\_uploader.py

├── drive\_cleanup.sh

└── README.md

docker/

├── Dockerfile # For backend

├── Dockerfile.frontend # Optional

├── docker-compose.yml # Orchestration (backend + DB + Redis)

├── nginx.conf # Reverse proxy config

└── vault-config.hcl # Optional Vault setup

docs/

├── architecture.png

├── api-specs.yaml # Swagger/OpenAPI

├── plugin-dev-guide.md

├── system-design.md

└── README.md

.github/

└── workflows/

├── backend-ci.yml

└── frontend-ci.yml

└── test/

├── java/com/parth/zapierclone/

│ ├── service/

│ ├── controller/

│ └── security/