ChatGPT

MyApp DevOps

Requirements

- [Docker](#)
- [gcloud CLI](#)
- [Cloud SQL Auth Proxy](#)

Local development

Start dev containers

```
make dev
```

View backend logs

```
make logs-dev
```

Run migrations (dev DB in docker-compose)

```
make migrations-dev
```

Using Cloud SQL Proxy locally

Start proxy (connect local machine → prod Cloud SQL)

```
make run-proxy
```

Run migrations against prod DB (via proxy)

```
make migrate-local
```

Build & deploy production

Build prod image (Cloud Run ready)

```
make build-prod-nocache
```

Push prod image

```
make push-prod
```

Deploy to Cloud Run

```
make deploy-prod
```

Testing prod image locally

Start prod image, connect to Cloud SQL via proxy:

```
make run-proxy
# In another terminal:
docker run --rm -it -p 8000:8000 \
  -e DATABASE_URL="postgresql+asyncpg://postgres:devops123@host.docker.internal:5433/app_db" \
  europe-central2-docker.pkg.dev/myapp-devops/myapp-backend-repo/backend:latest
```

Debugging Cloud Run

View Cloud Run logs:

```
gcloud logging read --project=myapp-devops --limit=50 --freshness=1h \
  'resource.type="cloud_run_revision" AND resource.labels.service_name="myapp-backend"' \
  --format='value(textPayload)'
```

Adding a new migration

1. Create revision:

```
docker-compose -f docker-compose.dev.yml exec backend alembic revision --
autogenerate -m "my message"
```

2. Apply migration:

```
make migrations-dev
```