consultation-booking-system/
├— README.md
– docker-compose.yml
– docker-compose.dev.yml
– .env.example
– gitignore
├— Makefile
├— scripts/
├— setup.sh
├— migrate.sh
L_seed.sh
├— shared/
├— proto/ # Protocol Buffers definitions
│
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```
├— auth.go
    ├— cors.go
    ├— rate_limit.go
     – logging.go
   — utils/
    ├— validator.go
     --- response.go
    ├— time.go
     — crypto.go
  ├— config/
   L_config.go
 logger/
   L_logger.go
– go.mod
- services/
 — api-gateway/
    - cmd/
   L_main.go
  \vdash— internal/
      — handler/
       ├— auth_handler.go
      ├— booking_handler.go
      --- expert_handler.go
      __notification_handler.go
```

```
├— middleware/
     ├— auth.go
     ├— rate_limit.go
    L_proxy.go
    --- routes/
    └─ routes.go
  L_config/
    L_config.go
- Dockerfile
└─ go.mod
— user-service/
├— cmd/
    — main.go
 — internal/
    — handler/
     ├— auth_handler.go
     ├— profile_handler.go
    user_handler.go
    --- service/
     ├— auth_service.go
     ├— user_service.go
    ___jwt_service.go
     - repository/
     ├— user_repository.go
```

```
refresh_token_repository.go
   ├— model/
     ├— user.go
     ├— refresh_token.go
     L_request.go
   ├— routes/
    └─ routes.go
  ___ config/
    L_config.go
 — migrations/
 ├— 001_create_users_table.sql
 ___ 002_create_refresh_tokens_table.sql
- Dockerfile
∟ go.mod
--- expert-service/
├— cmd/
    — main.go
 ├— internal/
   ├— handler/
     ├— expert_handler.go
     ├— schedule_handler.go
     __ availability_handler.go
    --- service/
    ├— expert_service.go
```

```
├— schedule_service.go
    __ availability_service.go
    --- repository/
       — expert_repository.go
     — schedule_repository.go
     ___ off_time_repository.go
    --- model/
     ├— expert.go
     ├— schedule.go
     ├— off_time.go
    └─ request.go
    — cache/
    ___ availability_cache.go
    — routes/
    L_routes.go
  ___ config/
    ___ config.go
  — migrations/
  --- 001_create_experts_table.sql
  --- 002_create_schedules_table.sql
  ____ 003_create_off_times_table.sql
├— Dockerfile
 — go.mod
— booking-service/
```

```
├— cmd/
      — main.go
   ├— internal/
       — handler/
        --- booking_handler.go
       ├— status_handler.go
       history_handler.go
      --- service/
       ├— booking_service.go
       --- conflict_checker.go
       L_status_service.go
      --- repository/
       — booking_repository.go
       ___ status_history_repository.go
      --- model/
       ├— booking.go
       ├— status_history.go
       └─ request.go
      — validator/
       booking_validator.go
      --- routes/
       └─ routes.go
      - config/
      L_config.go
     — migrations/
```

```
___ 002_create_status_history_table.sql
    — Dockerfile
    └─ go.mod
  -- notification-service/
    ├— cmd/
       — main.go
      — internal/
       — handler/
        — notification_handler.go
        ├— websocket_handler.go
        ___ settings_handler.go
        --- service/
         ├— notification_service.go
         ├— email_service.go
         --- telegram_service.go
        websocket_service.go
        --- repository/
        — notification_repository.go
        ___ settings_repository.go
        — model/
         ├— notification.go
         ├— settings.go
        └─ request.go
```

```
--- websocket/
     ├— hub.go
     ├— client.go
     L_manager.go
    — templates/
     ├— email/
        ├— booking_confirmation.html
        ├— reminder.html
       welcome.html
      — telegram/
      L_templates.go
    — routes/
     └─ routes.go
    — config/
    L_config.go
\vdash— migrations/
  -- 001_create_notifications_table.sql
  ____002_create_settings_table.sql
 ├— Dockerfile
 — go.mod
--- review-service/
  — cmd/
  └─ main.go
├— internal/
```

```
├— handler/
    review_handler.go
    --- service/
     ├— review_service.go
    ___ rating_service.go
   ├— repository/
    review_repository.go
   — model/
     ├— review.go
    └─ request.go
    --- routes/
    __routes.go
  Config/
    L_config.go
\vdash— migrations/
 ____001_create_reviews_table.sql
├— Dockerfile
└─ go.mod
- worker-service/
├— cmd/
 L_main.go
├— internal/
  ├— handler/
   ___ job_handler.go
```

```
├— service/
    ├— cron_service.go
    — reminder_service.go
    — email_queue_service.go
     — cleanup_service.go
    — repository/
   ___job_repository.go
   — model/
    ├— job.go
    reminder.go
    —jobs/
    -- reminder_job.go
    -- cleanup_job.go
    ├— email_job.go
     — status_update_job.go
    — scheduler/
    ├— cron.go
     — queue.go
   — config/
   L_config.go
 — migrations/
 ____001_create_jobs_table.sql
— Dockerfile
 – go.mod
```

```
├— cms/
   — directus/
    --- docker-compose.yml
    \vdash— .env
     --- extensions/
        --- hooks/
         ├— booking-webhook.js
         user-webhook.js
        – interfaces/
    ├— snapshots/
      L schema.yaml
     — uploads/
   – config/
    --- collections/
      ├— users.json
      ├— experts.json
      ├— bookings.json
     ___ system_settings.json
    --- roles/
      ├— admin.json
      ├— expert.json
      user.json
     – permissions/
     __ permissions.json
```

— infrastructure/
├— nginx/
— api-gateway.conf
Landirectus.conf
├—redis/
├— postgres/
— 01-create-databases.sql
L 02-create-users.sql
Lackup/
L_ monitoring/
├— prometheus/
prometheus.yml
├— grafana/
│
provisioning/
alertmanager/
alertmanager.yml
— deployments/
├— docker/

│
Landocker-compose.prod.yml
docker-compose.staging.yml
├— kubernetes/
│
│
│
│
│
L_ingress/
terraform/
├— main.tf
├— variables.tf
utputs.tf
├— tests/
├— integration/
│
├— e2e/
│
Load/

```
--- booking_load_test.js
  __auth_load_test.js
 -docs/
  — aрі/
   ├— swagger.yaml
  __postman/
    Collection.json
   — architecture/
   ├— system-design.md
   ├— database-schema.md
   api-design.md
  — deployment/
   ├— docker-setup.md
   --- kubernetes-setup.md
   ___ monitoring-setup.md
  – user-guides/
   — admin-guide.md
   -- expert-guide.md
  user-guide.md
—tools/
  — migration/
   ├— migrate.go
    – seed.go
```

— monitoring/
├— health-check.go
│
scripts/
├— build.sh
test.sh
├— deploy.sh
L backup.sh