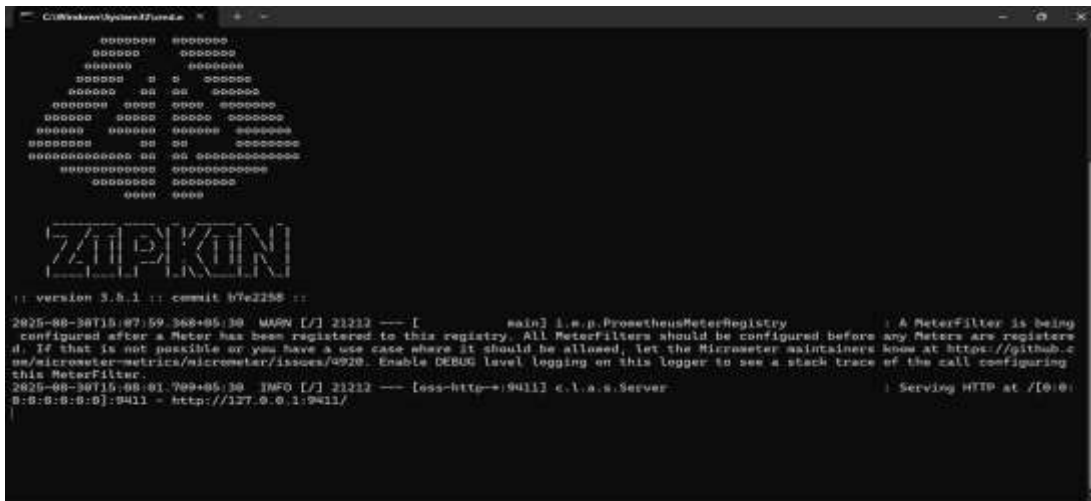
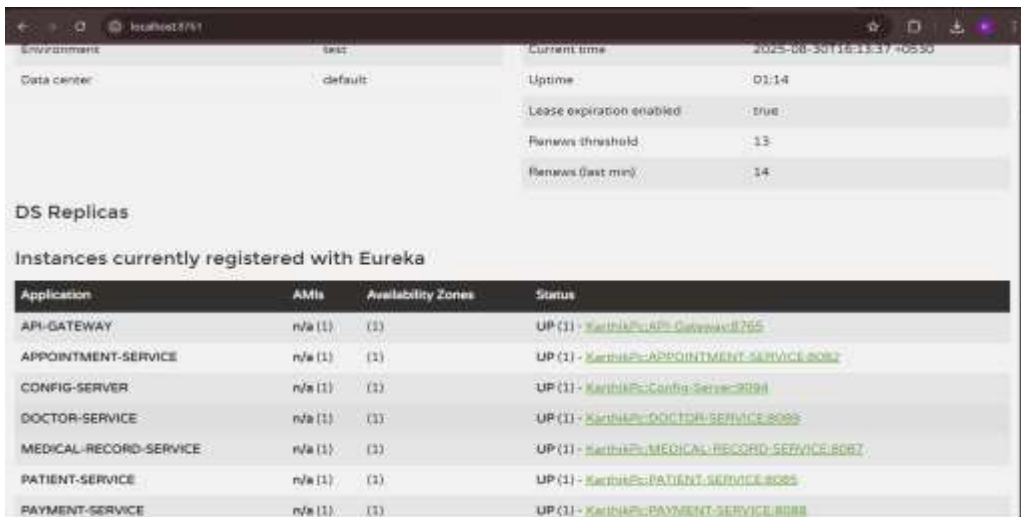


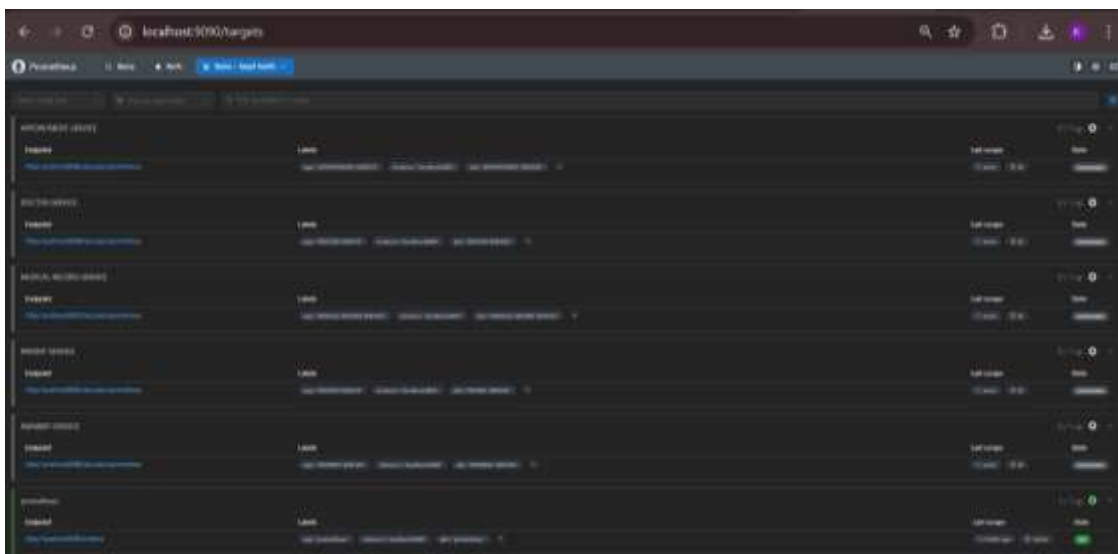
■ ZIPKIN



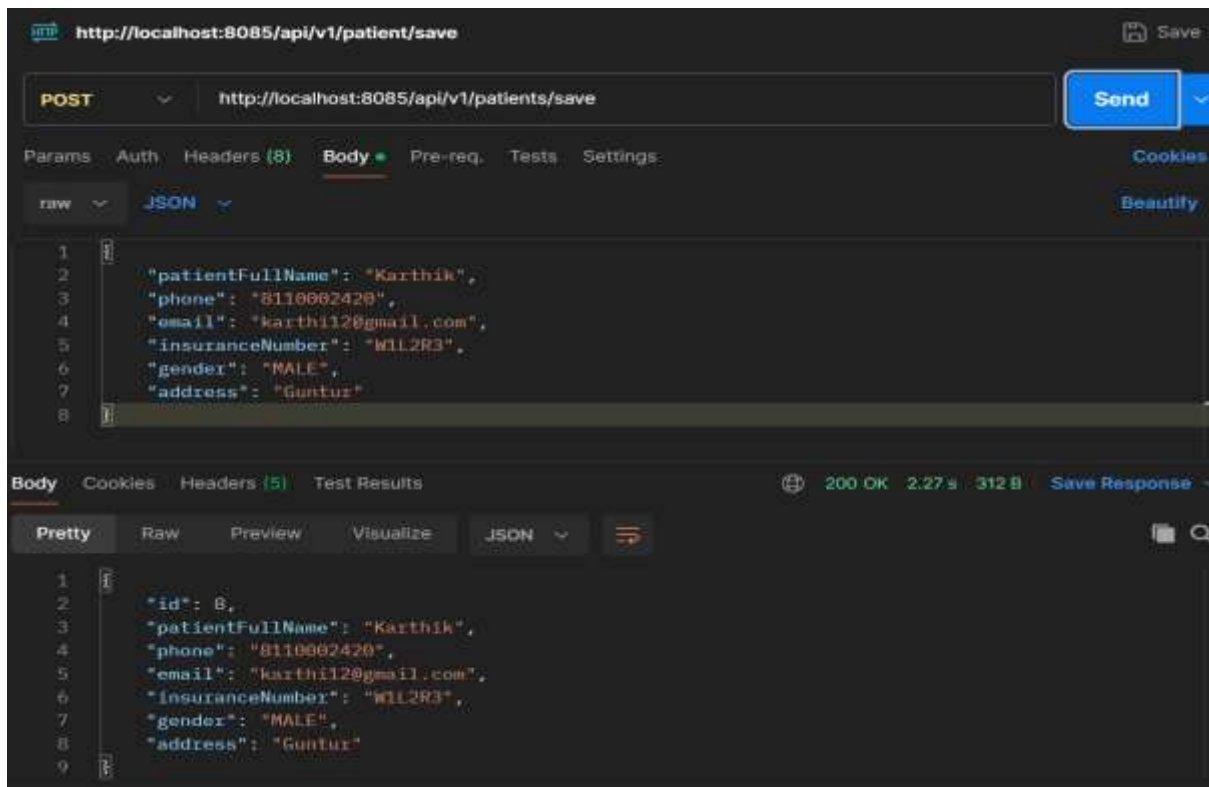
- Eureka



- Prometheus



■ SAVING PATIENT using Postman



■ AOP Implementation

```
-88-30 15:20:03.497 [http-nio-8085-exec-3] INFO o.s.api.AbstractOpenApiResource - Init duration for springdoc-openapi is: 2698 ms [68b2c54897c79e5Def21f0949d]
-88-30 15:22:06.343 [AsyncResolver-bootstrap-executor-3d] INFO c.m.d.s.r.aws.ConfigClusterResolver - Resolving eureka endpoints via configuration [ ]
-88-30 15:22:11.134 [http-nio-8085-exec-6] WARN o.s.w.s.m.a.e.ExceptionHandlerResolver - Resolved [org.springframework.web.servlet.resource.NoResourceFoundException]
-88-30 15:22:30.079 [http-nio-8085-exec-2] INFO c.w.gp.controller.PatientController - Received request to add a patient details [68b2c54897c79e5Def21f0949d]
name:
insert
into
patient
(address, email, gender, insurance_number, patient_full_name, phone)
values(
?, ?, ?, ?, ?
)
-88-30 15:27:06.581 [AsyncResolver-bootstrap-executor-3d] INFO c.m.d.s.r.aws.ConfigClusterResolver - Resolving eureka endpoints via configuration [ ]
-88-30 15:32:06.613 [AsyncResolver-bootstrap-executor-3d] INFO c.m.d.s.r.aws.ConfigClusterResolver - Resolving eureka endpoints via configuration [ ]
```

■ Saving Doctor data using Swagger-UI



■ Custom Exception

The screenshot shows a REST client interface with the following details:

- Request URL:** `http://localhost:8081/api/v1/patients/patch/12`
- Server response:**
 - Code:** 404 (Undocumented)
 - Details:** Error: response status is 404
 - Response body:**

```
{  "message": "Patient not found with ID: 12",  "status": "Patient_NOT_FOUND"}
```
 - Response headers:**

```
connection: keep-alivecontent-type: application/jsondate: Sat, 30 Aug 2025 11:55:20 GMTkeep-alive: timeout=60transfer-encoding: chunked
```
- Responses:**

Code	Description	Links
200	OK	No links

■ Booking Appointment using API-Gateway port

The screenshot shows a REST client interface with the following details:

- Request:**
 - Method:** POST
 - URL:** `http://localhost:8765/api/v1/appointment/add`
 - Body (JSON):**

```
{  "patientId": 5,  "doctorId": 1,  "appointmentDateTime": "2025-09-05T14:45:00",  "visitReason": "Follow-up on lab test results",  "notes": "Prefer afternoon slot after 2 PM"}
```
- Response:**
 - Status:** 200 OK
 - Time:** 368 ms
 - Size:** 302 B
 - Body (JSON):**

```
{  "id": 2,  "patientId": 5,  "doctorId": 1,  "appointmentDateTime": "2025-09-05T14:45:00",  "status": "BOOKED",  "visitReason": "Follow-up on lab test results",  "notes": "Prefer afternoon slot after 2 PM"}
```

■ Medical Record creation

The screenshot shows a REST client interface with the following details:

- URL:** `http://localhost:8087/api/v1/records/save/?prescription=`
- Method:** `POST`
- Request Body (JSON):**

```
{  "appointmentId": 1,  "prescription": "Take 1 tablet of paracetamol twice daily for 5 days"}
```
- Response Status:** `200 OK`, `14.31 s`, `377 B`
- Response Body (JSON):**

```
{  "id": 2,  "appointmentId": 1,  "patientId": 3,  "doctorId": 4,  "symptomsOrIllHealth": "headache",  "prescription": "Take 1 tablet of paracetamol twice daily for 5 days",  "filePath": null,  "createdAt": "2025-08-30T16:53:14.0960285"}
```

■ Payment

The screenshot shows a REST client interface with the following details:

- URL:** `http://localhost:8088/api/v1/payments/save`
- Method:** `POST`
- Response Status:** `200 OK`, `199 ms`, `298 B`
- Response Body (JSON):**

```
{  "id": 2,  "patientId": 7,  "billId": "B17553210621267052",  "appointmentId": 5,  "amount": 2000.34,  "paymentType": "CASH",  "paymentStatus": "SUCCESS"}
```

■ Grafana

