SOA Gateway — C3 Components

Gateway (.NET 8 Web API)
[container]

Authentication & Authorization
[Middleware]

Validates JWT; enforces roles (Student/Professor)

Protects

Protects

GradesController
[Web API Controller + SSE Endpoint]

Endpoints for grade CRUD via GradeService + Server-Sent Events stream for GPA updates

StudentsController
[Web API Controller]

Endpoints for student read via StudentService

Uses

Uses

Typed HttpClients
[Infrastructure]

Calls StudentService, GradeService, NotificationService