BuildHub System Architecture

Client Layer

Web Application	Mobile Apps	Tenant Dashboards	Admin Portal	API Clients

API Gateway & Load Balancer
Authentication, Rate Limiting, Routing

Microservices Layer

Tenant Management	User Service	Marketplace Service	Communication Service	Payment Service	Analytics Service	Geo-Location Service

Document Service	Notification Service	Review Service	Search Service

Data Layer

PostgreSQL (Transactional)	MongoDB (Documents)	Redis (Cache/Sessions)	Elasticsearch (Search/Analytics)	S3/Blob Storage (Files/Images)

External Services

Payment Gateway	SMS/Email Service	Maps API	E-Signature API	CDN Service