Name: AI-Market Insurers Analyzer(MIA)
Domain: P&C (Property and Casualty) Insurance
Cloud: AWS

Tech-Stack: Backend and Middleware

Sr. No	Technology/Framework
1	Spring6.x
2	SpringBoot3.x
3	Spring AI
4	Spring Retry
5	Spring Data Elastic
6	Spring Rest
7	Springdoc-openapi
8	Spring Data JPA
9	Spring Security 6.x
10	Spring Cloud
11	NOSQL-MongoDB
12	Redis
13	Bucket4j
14	Axon
15	Apache Kafka
16	RDBMS-Mysql
17	EFK
18	Graphana & Promotheus
19	Resilience4j
20	Micrometer and Zipkin

Tech-Stack: UI & Frontend

Sr. No	Services
1.	Material UI
2.	React JS
3.	Rx JS
4.	Netlify
5.	Axios
6.	Typescript

Tech-Stack: Security-Keycloak IAM

Sr. No	Services
1.	Dev and Prod Setup
2.	Managing Users-Local, LDAP And AD
3.	Authenticaton-OpenID Connect
4.	Authorizing Access-Oauth2.0
5.	Securing SPA
6.	Securing REST API
7.	Authorization Strategies-RBAC, GBAC And ABAC
8.	Managing Tokens and Sessions

Tech-Stack: Build and Deploy

Sr. No	Services
1.	OCI Container-Docker
2.	Kubernetes(Minikube, Kubeadm and EKS)

Microservices Principles and Patterns:

Sr. No	Principle/Pattern
1	Bounded Context-DDD
2	Polyglot Architecture
3	Centralized Configuration-Config-Server
4	Service Discovery-Discovery Server
5	Proxy Pattern - Edge Server
6	Centralized Log Analysis-EFK
7	Distributed Tracing--Zipkin&MicroMeter
8	Circuit Breaker and Retry
9	Centralized monitoring and alarms-Graphana&Promotheous
10	Distributed Access Management-Keycloak
11	Throttling with Distributed Cache-Redis
12	Event Sourcing and Handling-CQRS
13	Event Streaming-Kafka
14	Distributed Tracing-Zipkin&MicroMeter