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- 5. **BEEFF**: **BEEFF BEEFF BEEFF ModelTrained.**
- 7. **SERVICE**: **SERVICE METERS Metrics ELogs SERVICE SERVICE ID SERVICE**.

6.

Product Owner | Mark |

Security Engineer | SECURITY ENGINEER | SECURITY ENGINEER | SECURITY ENGINEER | SECURITY ENGINEER | SECURITY ENGINEER | SECURITY ENGINEER | SECURITY ENGINEER | SECURITY ENGINEER | SECURITY ENGINEER | SECURITY ENGINEER | SECURITY ENGINEER | SECURITY ENGINEER | SECURITY ENGINEER | SECURITY ENGINEER | SECURITY ENGINEER | SECURITY ENGINEER | SECURITY ENGINEER | SECURITY ENGINEER | SECURITY ENGINEER | SECURITY ENGINEER | SECURITY ENGINEER | SECURITY ENGINEER | SECURITY ENGINEER | SECURITY ENGINEER | SECURITY ENGINEER | SECURITY ENGINEER | SECURITY ENGINEER | SECURITY ENGINEER | SECURITY ENGINEER | SECURITY ENGINEER | SECURITY ENGINEER | SECURITY ENGINEER | SECURITY ENGINEER | SECURITY ENGINEER | SECURITY ENGINEER | SECURITY ENGINEER | SECURITY ENGINEER | SECURITY ENGINEER | SECURITY ENGINEER | SECURITY ENGINEER | SECURITY ENGINEER | SECURITY ENGINEER | SECURITY ENGINEER | SECURITY ENGINEER | SECURITY ENGINEER | SECURITY ENGINEER | SECURITY ENGINEER | SECURITY ENGINEER | SECURITY ENGINEER | SECURITY ENGINEER | SECURITY ENGINEER | SECURITY ENGINEER | SECURITY ENGINEER | SECURITY ENGINEER | SECURITY ENGINEER | SECURITY ENGINEER | SECURITY ENGINEER | SECURITY ENGINEER | SECURITY ENGINEER | SECURITY ENGINEER | SECURITY ENGINEER | SECURITY ENGINEER | SECURITY ENGINEER | SECURITY ENGINEER | SECURITY ENGINEER | SECURITY ENGINEER | SECURITY ENGINEER | SECURITY ENGINEER | SECURITY ENGINEER | SECURITY ENGINEER | SECURITY ENGINEER | SECURITY ENGINEER | SECURITY ENGINEER | SECURITY ENGINEER | SECURITY ENGINEER | SECURITY ENGINEER | SECURITY ENGINEER | SECURITY ENGINEER | SECURITY ENGINEER | SECURITY ENGINEER | SECURITY ENGINEER | SECURITY ENGINEER | SECURITY ENGINEER | SECURITY ENGINEER | SECURITY ENGINEER | SECURITY ENGINEER | SECURITY ENGINEER | SECURITY ENGINEER | SECURITY ENGINEER | SECURITY ENGINEER | SECURITY ENGINEER | SECURITY ENGINEER | SECURITY ENGINEER | SECURITY ENGINEER | SECURITY ENGINEER | SECURITY ENGINEER | SECURITY ENGINEER | SECURITY ENGINEER | SECURITY ENGINEER | SECURITY ENGINEER | SECURITY ENGINEER | SECURI

- mTLS
- OAuth2/JWT
- Network Policies
- Falco
- Vault

8.

- Metrics: ■■■ OpenTelemetry → Prometheus
- Dashboards: Grafana Heatmaps ■■■■■ Latency
- Logging: JSON ■■■■■ → ELK Stack
- Tracing: Jaeger
- Alerts: Alerts: SLOs (CPU, Latency, Error Rate)

9.

- 1 | Ingestion & Validation | ETL ■■■■ Go■ Data Validation■ Kafka setup
- 2 | Feature Extraction | ■■■■ Rust ■■■■■■■■■■■ + Adapter ■■■■■■■■ Go
- 3 | Training Pipeline | Orchestrator Python + MLflow + GPU scheduling
- 4 | Inference & API | Inference Engine Rust + API Gateway Go + Caching Redis
- 5 | Frontend & BFF | Web App TS + GraphQL BFF
- 6 | Observability & Sec | Prometheus, Grafana, ELK, Jaeger, Istio mTLS, Vault